PHILIPS 28CL6770

MODEL

SERVICE MANUAL

Colour television

Service
Service
Service

FL1.1

AA 91.01

Service Information

GB

1. Correction to service manual FL1.1 AA

The following two code numbers are to be added to the parts list of the large-signal board:

4822 320 11086	Focus cable
4822 320 20162	EHT cable

2. Defect of TS7504 or TS7506

In order to increase reliability these transistors will henceforth be preselected. In the event of a defect of one of the transistors TS7504 or TS7506 (BU2508AF), they are therefore both to be replaced in order to prevent re-occurrence.
Code number: 4822 130 62934 (2 x ON4673)

3. PIP with 2nd front-end

A PIP module with a second front-end is incorporated in all 33" FL1.1 sets.
In all other FL1.1 sets the PCB layout of the second front-end PIP module will be incorporated from AG04.
The circuit diagram, the PCB layout and the parts list of this module will be provided in the service information.

NL

1. Correctie op service manual FL1.1 AA

In de stuklijst van het grootsignaal paneel dienen de volgende twee codenummers toegevoegd te worden:

4822 320 11086	Focus cable
4822 320 20162	EHT cable

2. Defect van TS7504 of TS7506

Om de betrouwbaarheid te vergroten zijn deze transistoren vanaf nu voorgeselecteerd.
Bij een defect van een van de transistoren Ts7504 of TS7506 (BU2508AF) dient men deze dus alle twee te vervangen om herhaling te voorkomen.
Codenummer: 4822 130 62934 (2 x ON4673)

3. PIP met 2^{e} front-end

In alle 33" FL1.1 apparaten is een PIP module met tweede front-end toegepast.
In alle andere FL1.1 apparaten zal vanaf AG04 de print lay-out van de tweede front-end PIP module worden toegepast.
In deze service informatie worden het principe schema, de print lay-out en de stuklijst van deze module gegeven.

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D

1. Berichtigung des Service-Handbuchs FL1.1 AA

Bei der Ersatzteilliste müssen die folgenden beiden Codenummern hinzugefügt werden:

4822 320 11086	Fokuskabel
4822 320 20162	EHT-Kabel

2. Defekt an TS7504 oder TS7506

Zwecks einer Verbesserung der Zuverlässigkeit werden diese Transistoren ab sofort vorausgewählt. Bei einem Defekt an einem der beiden Transistoren TS7504 oder TS7506 (BU2508AF) müssen daher beide ausgetauscht werden, um eine wiederholte Störung auszuschließen.
Codenummer: 4822 130 62934 (2 x ON6473)

3. PIP mit zweitem Eingangsteil

In allen 33-Zoll-Fl1.1-Geräten wird ein PIP-Modul mit einem zweiten Eingangsteil angewandt. Bei allen anderen FL1.1-Geräten wird ab AG04 das Platinenlayout des zweiten Eingangsteils des PIP-Moduls benutzt werden.
Diese Service-Information enthält ein Blockschaltbild, ein Platinenlayout und eine Ersatzteilliste für dieses Modul.

F

1. Correction concernant le Manuel de Service FL1.1 AA

Dans la nomenclature des pièces de la carte du grand signal, il convient d'ajouter les deux numéros de référence suivants :

4822 320 11086	Câble de focalisation
4822 320 20162	Câble EHT

2. Défaut de TS7504 ou TS7506

En vue d'augmenter la fiabilité, ces transistors sont dorénavant présélectionnés. En cas de défaillance de l'un des transistors TS7504 ou TS7506 (BU2508AF), il convient donc de les remplacer tous les deux de façon à éviter une répétition.
Numéro de référence 4822 130 62934 (2xON4673)

3. PIP avec 2ème platine complète

Un module PIP avec une deuxième platine complète a été utilisé dans tous les appareils FL1.1 33" (env.84cm).
La configuration de carte du module PIP avec la deuxième platine complète sera utilisée dans tous les autres appareils FL1.1 à partir de AG04.
Le schéma de montage, la configuration de carte et la nomenclature des pièces de ces modules figurent dans cette information de service.

I

1. Correzione del Manuale di Servizio FL.1.1 AA

Nell'elenco dei componenti del pannello dei grandi segnali devono essere aggiunti i seguenti codici:

4822 320 11086	cavo di focalizzazione
4822 320 20162	cavo EHT

2. Difetto del TS7504 o TS7506

Per aumentare l'affidabilità, a partire da oggi questi transistori sono preselezionati.
In caso che uno dei transistori TS7504 o TS7506 (BU2508AF) risulti difettoso bisognerà sostituirli ambedue per evitare che il difetto si ripeta.
Codice: 4822 130 62934 (2 x ON4673)

3. PIP con 2e front-end

In tutti gli apparecchi 33" FL1.1 è applicato un modulo PIP con secondo front-end.
In tutti gli altri apparecchi FL1.1 a partire da AG04 verrà applicato il lay-out del circuito stampato del modulo PIP con secondo front-end.
Nella presente pubblicazione troverete lo schema di principio, il lay-out del circuito stampato e l'elenco dei componenti di questo modulo.

E

1. Corrección en el manual de servicio FL1.1AA.

En la lisa de piezas del panel de señal grande han de añadirse los dos números de código siguientes:

4822 320 11086	Cable del foco.
4822 320 20162	Cable EHT.

2. Defectos en el TS7504 ó en el TS7506.

Para aumentar la seguridad de funcionamiento, a partir de ahora estos dos transistores son preseleccionados. En caso de desperfecto de uno de los transistores TS7504 ó TS7506 (BU2508AF) habrán de reemplazarse ambos transistores para evitar que se repita el desperfecto.
Número de código: 4822 130 62934 (2xON4673).

3. PIP con segundo terminal de entrada.

En todos los aparatos FL1.1. de 33" se ha aplicado un módulo PIP con segundo terminal de entrada. En todos los otros aparatos FL1.1 se aplicará, a partir del AG04, el circuito impreso del módulo PIP con segundo terminal de entrada. En esta información de servicio se dan el esquema de principio, el circuito impreso y la lista de piezas de este módulo.

Second tuner PIP (continued)

-▭-

3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W

Jumpers

4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

-∿-

5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%

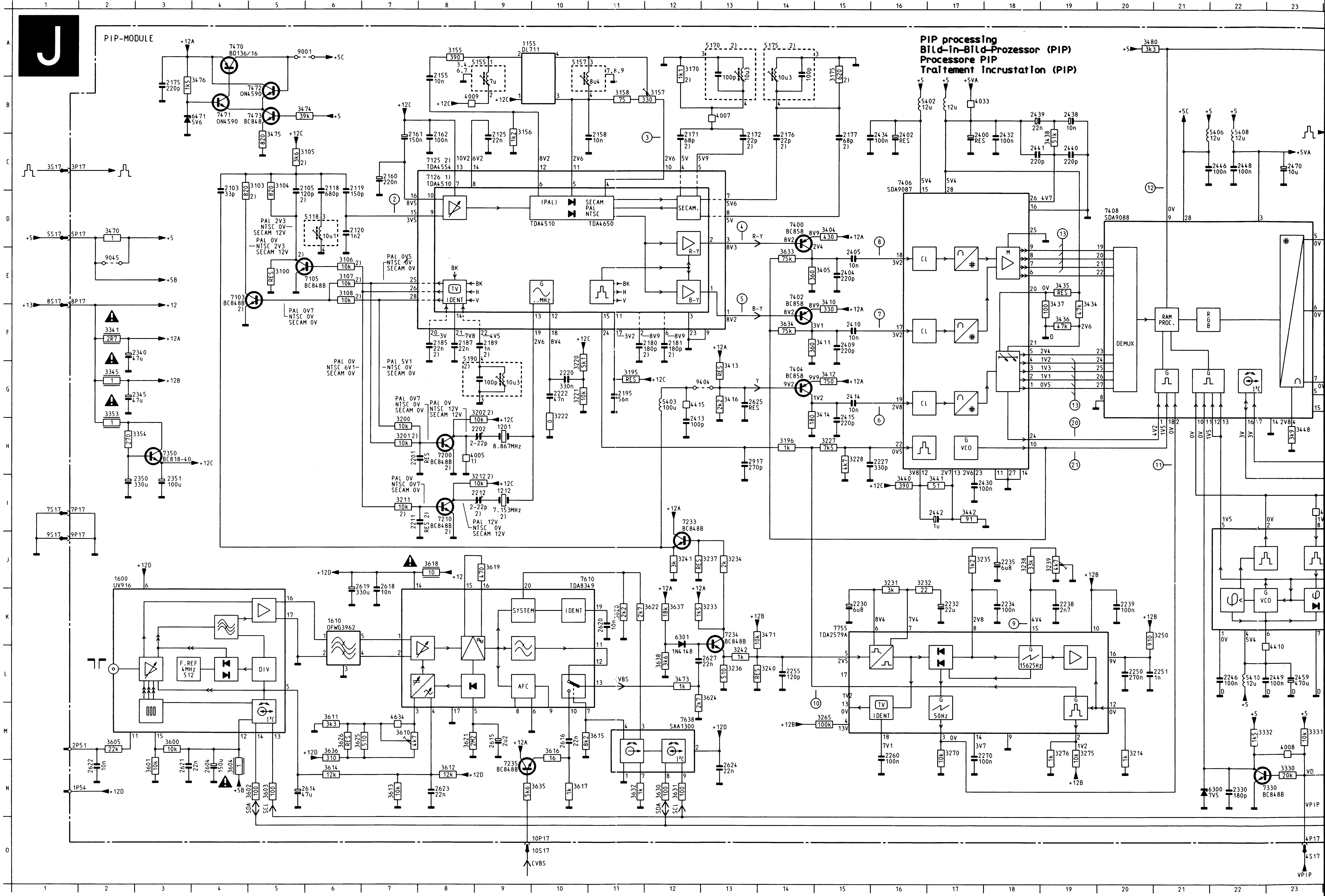
-▶|-

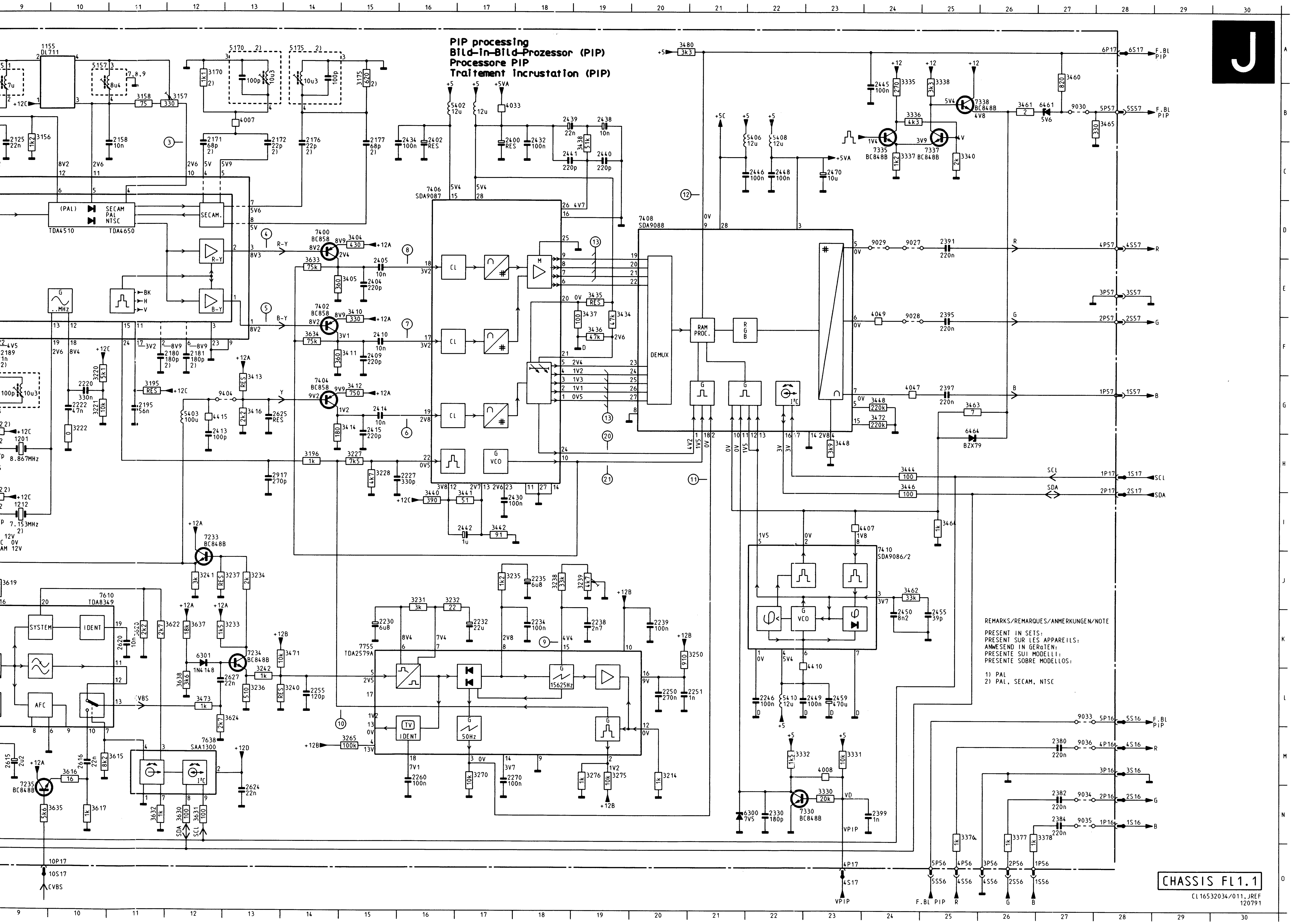
6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148

⊗ ▭

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)


J
PIP-MODULE
+12A
7470 BD136/16
9001
+5C
2175 220p
3476 1k5
7472 ON4590
7471 ON4590
7473 BC848
6471 5V6
3474 39k
+5
3475 820
3S17 3P17
5S17 5P17
3470 1
9045
+5B
8S17 8P17
+12
3341 2R7
2340 47u
3345 1
2345 47u
+12B
3353 1
3354 270
7350 BC818-40
+12C
2350 330u
2351 100u
7S17 7P17
9S17 9P17
3155 390
1155 DL711
5155 7u
5157 8u4
2155 10n
4009
3158 75
3157 330
3156 1k2
2125 22n
2161 150n
2162 100n
2158 10n
2160 220n
7125 TDA4554
7126 TDA4510
(PAL)
SECAM PAL NTSC
TDA4510
TDA4650
SECAM.
R-Y
B-Y
G ..MHz
IDENT
TV
BK
H
V
2103 33p
3103 820
3104 820
3105 3k6
2105 120p
2118 680p
2119 150p
5118 10u1
2120 1n2
3100 RES
7105 BC848B
7103 BC848B
3106 10k
3107 10k
3108 10k
PAL 2V3 NTSC 0V SECAM 12V
PAL 0V NTSC 2V3 SECAM 12V
PAL 0V5 NTSC 0V SECAM 0V
PAL 0V7 NTSC 0V SECAM 0V
PAL 0V NTSC 6V1 SECAM 0V
PAL 5V1 NTSC 0V SECAM 0V
2185 22n
2187 22n
2189 1n
5190 100p 10u3
3200 10k
3201 10k
2201 RES
7200 BC848B
3202 10k
2202 2-22p
1201 8.867MHz
4005
3211 10k
2211 RES
7210 BC848B
3212 10k
2212 2-22p
1212 7.153MHz
PAL 12V NTSC 0V SECAM 12V
2220 330n
3220 5k1
3221 10k
2222 47n
3222 0
5170 100p 10u3
5175 10u3 100p
3170 1k1
3175 620
4007
2171 68p
2172 22p
2176 22p
2177 68p
2180 180p
2181 180p
3195 RES
2195 56n
5403 100u
4415
2413 100p
9404
3413 RES
3416 2k2
2625 RES
2917 270p
3196 1k
7400 BC858
3404 430
3633 75k
3405 360
2405 10n
2404 220p
7402 BC858
3410 330
3634 75k
3411 360
2410 10n
2409 220p
7404 BC858
3412 750
3414 180
2414 10n
2415 220p
3227 7k5
3228 4k7
2227 330p
7406 SDA9087
5402 12u
4033
+5VA
2434 100n
2402 RES
2400 RES
2432 100n
2439 22n
2438 10n
3438 51k
2441 220p
2440 220p
CL
M
G VCO
3435 RES
3437 100
3436 47k
3434 47k
3440 390
3441 51
2430 100n
2442 1u
3442 91
7408 SDA9088
DEMUX
RAM PROC.
R G B
5406 12u
5408 12u
2446 100n
2448 100n
2470 10u
3480 3k3
3448 3k9
7233 BC848B
3241 3k
3237 RES
3234 2k
1600 UV916
F.REF 4MHz 512
DIV
1610 OFWG3962
7610 TDA8349
SYSTEM
IDENT
AFC
3618 10
3619 470
2619 330u
2618 10n
2620 10n
3620 2k2
3622 2k7
3637 18k
3233 1k5
6301 1N4148
3638 3k6
2627 22n
7234 BC848B
3242 1k
3236 510
3473 1k
3624 2k7
3471 10k
3240 RES
2255 120p
VBS
7638 SAA1300
2624 22n
3605 22k
2622 10n
3600 10k
3601 10k
2621 22n
2604 150u
3604 1
3602 100
3603 100
SDA
SCL
2614 47u
3611 3k3
4634
3626 RES
3625 510
3610 4k7
3636 310
3614 12k
3613 10k
3612 12k
2623 22n
3621 2M2
2615 2u2
7235 BC848B
3616 16
2616 22n
3615 8k2
3617 1k
3635 5k6
3632 1k
3630 100
3631 100
2P51
1P54
10P17
10S17
CVBS
7755 TDA2579A
3231 3k
3232 22
2230 6u8
2232 22u
3235 1k2
2235 6u8
2234 100n
3238 33k
3239 4k7
2238 2n7
2239 100n
15625Hz
50Hz
3265 100k
2260 100n
3270 10k
2270 100n
3276 1k
3275 10k
3214 1k
2250 270n
2251 1n
3250 910
4410
2246 100n
5410 12u
2449 100n
2459 470u
3332 1k5
3331 10k
4008
3330 20k
6300 7V5
2330 180p
7330 BC848B
VPIP
4P17
4S17


PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)

J
1155 DL711
(PAL)
SECAM
PAL
NTSC
TDA4510
TDA4650
SECAM
R-Y
B-Y
BK
H
V
.. MHz
1201 8.867MHz
1212 7.153MHz
7400 BC858
7402 BC858
7404 BC858
R-Y
B-Y
Y
7406 SDA9087
CL
M
G VCO
7408 SDA9088
DEMUX
RAM PROC.
R G B
I²C
7410 SDA9086/2
VCO
7335 BC848B
7337 BC848B
7338 BC848B
7330 BC848B
7233 BC848B
7234 BC848B
7235 BC848B
7610 TDA8349
SYSTEM
IDENT
AFC
CVBS
7638 SAA1300
7755 TDA2579A
TV IDENT
G 50Hz
G 15625Hz
+5VA
SCL
SDA
F.BL PIP
R
G
B
VPIP
10P17
10S17
CVBS

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

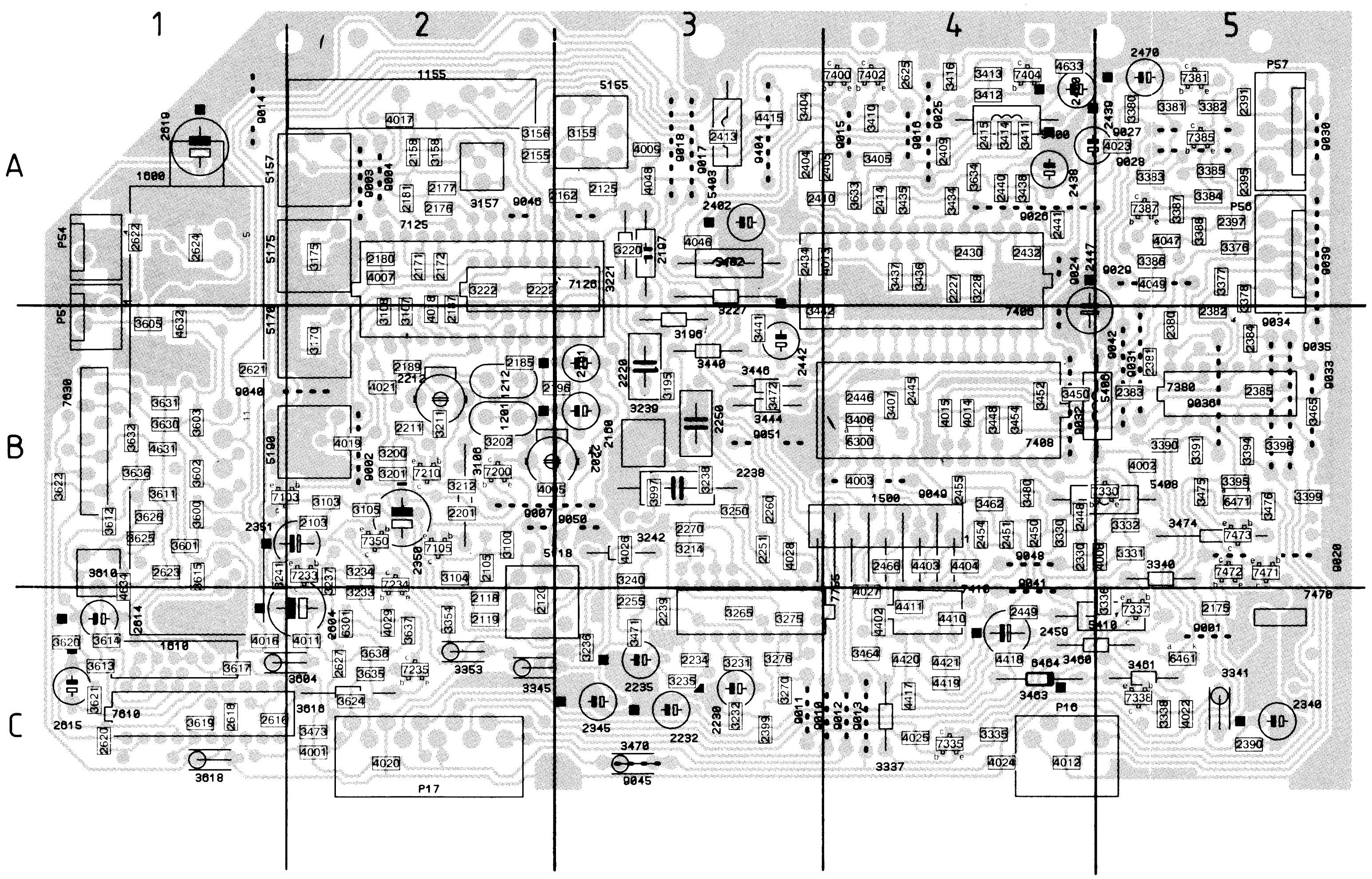
PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERaTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

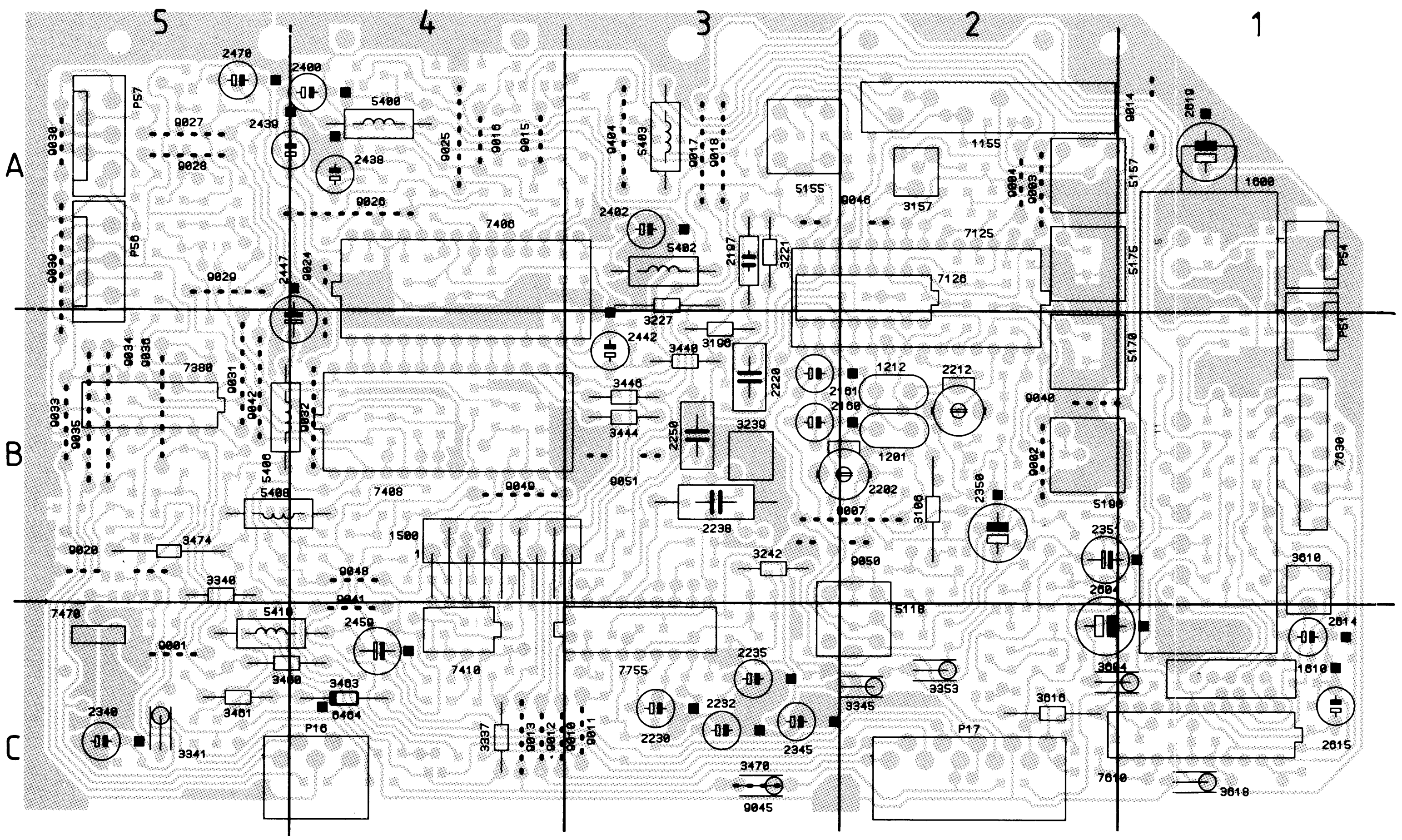
1) PAL
2) PAL, SECAM, NTSC

CHASSIS FL1.1

CL 16532034/011, JREF
120791

1155	A 9	3212	I 9	5155	A 8
1201	H 9	3214	M20	5157	A10
1212	I 9	3220	G10	5170	A13
1600	J 2	3221	G10	5175	A14
1610	K 6	3222	G10	5190	G 8
2103	D 4	3227	H15	5402	B16
2105	D 5	3228	H15	5403	G12
2118	D 6	3231	J16	5406	C21
2119	D 6	3232	J16	5408	C22
2120	D 6	3233	K13	5410	L22
2125	C 9	3234	J13	6300	N21
2155	B 8	3235	J17	6301	K12
2158	C11	3236	L13	6461	B27
2160	C 7	3237	J13	6464	H25
2161	C 7	3238	J18	6471	B 3
2162	C 8	3239	J19	7103	E 4
2171	C12	3240	L14	7105	E 5
2172	C13	3241	J12	7125	C 8
2175	B 3	3242	L13	7126	C 8
2176	C14	3250	K21	7200	H 8
2177	C15	3265	M15	7210	I 8
2180	F11	3270	M17	7233	I12
2181	F12	3275	M19	7234	K13
2185	F 8	3276	M19	7235	N 9
2187	F 8	3330	N23	7330	N22
2189	F 9	3331	M23	7335	C24
2195	G11	3332	M22	7337	C25
2201	H 7	3335	A24	7338	B25
2202	H 9	3336	B24	7350	H 3
2211	I 7	3337	C24	7400	D14
2212	I 9	3338	A25	7402	E14
2220	G10	3340	C25	7404	G14
2222	G10	3341	F 2	7406	C16
2227	H16	3345	G 2	7408	D20
2230	K15	3353	G 2	7410	I24
2232	K17	3354	H 2	7470	A 4
2234	K18	3376	N25	7471	B 4
2235	J18	3377	N26	7472	B 5
2238	K19	3378	N27	7473	B 5
2239	K20	3404	D15	7610	J11
2246	L22	3405	E15	7638	M12
2250	L20	3410	F15	7755	K15
2251	L21	3411	F15	9001	A 5
2255	L14	3412	G15	9027	D24
2260	M16	3413	G13	9028	F24
2270	M17	3414	G15	9029	D24
2330	N22	3416	G13	9030	B27
2340	F 2	3434	E19	9033	L27
2345	G 2	3435	E19	9034	N27
2350	I 2	3436	F19	9035	N27
2351	I 3	3437	E19	9036	M27
2380	M27	3438	C19	9045	E 2
2382	N27	3440	I16	9404	G13
2384	N27	3441	I17		
2391	D25	3442	I17		
2395	F25	3444	H24		
2397	G25	3446	H24		
2399	N24	3448	H23		
2400	C17	3448	G24		
2402	C16	3460	A27		
2404	E15	3461	B26		
2405	E15	3462	J24		
2409	F15	3463	G25		
2410	F15	3464	I25		
2413	H12	3465	B28		
2414	G15	3470	D 2		
2415	H15	3471	K14		
2430	I17	3472	G24		
2432	C18	3473	L12		
2434	C16	3474	B 5		
2438	B19	3475	B 5		
2439	B18	3476	B 3		
2440	C19	3480	A20		
2441	C18	3600	M 3		
2442	I17	3601	N 3		
2445	B24	3602	N 5		
2446	C22	3603	N 5		
2448	C22	3604	N 4		
2449	L23	3605	M 2		
2450	K24	3610	M 7		
2455	K25	3611	M 6		
2459	L23	3612	N 8		
2470	C23	3613	N 7		
2604	N 4	3614	N 6		
2614	N 5	3615	M11		
2615	M 9	3616	M10		
2616	M10	3617	N10		
2618	K 7	3618	J 8		
2619	K 6	3619	J 9		
2620	K11	3620	K11		
2621	N 3	3621	M 8		
2622	N 2	3622	K12		
2623	N 8	3624	L13		
2624	N13	3625	M 6		
2625	G13	3626	M 6		
2627	L13	3630	N12		
2917	H13	3631	N12		
3100	E 5	3632	N11		
3103	C 5	3633	E14		
3104	C 5	3634	F14		
3105	C 5	3635	N10		
3106	E 6	3636	M 6		
3107	E 6	3637	K12		
3108	E 6	3638	L12		
3155	A 8	4005	H 8		
3156	B 9	4007	B13		
3157	B12	4008	M23		
3158	B11	4009	B 8		
3170	A12	4033	B17		
3175	A15	4047	G24		
3195	G11	4049	F24		
3196	H14	4407	I23		
3200	H 7	4410	L23		
3201	H 7	4415	G12		
3202	G 9	4634	M 7		
3211	I 7	5118	D 5		





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1212	B2
1500	B4
1600	A1
1610	C1
2103	B2
2105	B2
2118	C2
2119	C2
2120	C2
2125	A3
2155	A2
2158	A2
2160	B3
2161	B3
2162	A3
2171	A2
2172	A2
2175	C5
2176	A2
2177	A2
2180	A2
2181	A2
2185	B2
2189	B2
2196	B2
2197	A3
2201	B2
2202	B3
2211	B2
2212	B2
2220	B3
2222	A2
2227	A4
2230	C3
2232	C3
2234	C3
2235	C3
2238	B3
2239	E3
2250	B3
2251	B3
2255	C3
2260	B3
2270	B3
2330	B4
2340	C5
2345	C3
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2351	B2
2380	B5
2381	B5
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2384	B5
2385	B5
2390	C5
2391	A5
2395	A5
2397	A5
2399	C3
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2440	A4
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2447	A4
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2449	C4
2450	B4
2451	B4
2454	B4
2455	B4
2459	C4
2466	B4
2470	A5
2604	C3
2614	C1
2615	C1
2616	C1
2618	C1
2619	A1
2620	C1
2621	B1
2622	A1
2623	B2
2625	A4
2627	C2
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3103	B2
3104	B2
3105	B2
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3335	C4
3336	C5
3337	C4
3338	C5
3340	B5
3341	C5
3345	C2
3353	C2
3354	C2
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3441	B3
3442	A3
3444	B3
3446	B3
3448	B4
3450	B4
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3454	B4
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3461	C5
3462	B4
3463	C4
3464	C4
3465	B5
3470	C3
3471	C3
3472	B3
3473	C2
3474	B5
3475	B5
3476	B5
3480	B4
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3604	C1
3605	B1
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3611	B1
3612	B1
3613	C1
3614	C1
3615	B2
3616	C1
3617	C1
3618	C1
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3621	C1
3622	B1
3624	C2
3625	B1
3626	B1
3630	B1
3631	B1
3633	A4
3634	A4
3635	C2
3636	B1
3637	C2
3638	C2
3997	B3
4001	C2
4002	B5
4003	B4
4005	B3
4007	A2
4008	B5
4009	A3
4011	C2
4012	C4
4013	A4
4014	B4
4015	B4
4016	C1
4017	A2
4018	A2
4019	B2
4020	C2
4021	B2
4022	C5
4024	C4
4025	C4
4026	B3
4027	B4
4028	B3
4029	C2
4046	A3
4047	A5
4048	A3
4049	A5
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4403	B4
4404	B4
4410	C4
4411	C4
4415	A3
4417	C4
4418	C4
4419	C4
4420	C4
4421	C4
4631	B1
4632	B1
4633	A4
4634	B1
5118	B2
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5157	A1
5170	B2
5175	A1
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5400	A4
5402	A3
5403	A3
5406	B5
5408	B5
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6300	B4
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6461	C5
6464	C4
6471	B5
7103	B2
7105	B2
7125	A2
7126	A3
7200	B2
7210	B2
7233	B2
7234	B2
7235	C2
7330	B5
7335	C4
7337	C5
7338	C5
7350	B2
7380	B5
7381	A5
7385	A5
7387	A5
7400	A4
7402	A4
7404	A4
7406	A4
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7470	C5
7471	B5
7472	B5
7473	B5
7610	C1
7630	B1
7755	C3
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9002	B2
9003	A2
9004	A2
9007	B2
9010	C3
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9012	C4
9013	C4
9014	A1
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9016	A4
9017	A3
9018	A3
9020	B5
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9025	A4
9026	A4
9027	A5
9028	A5
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9040	B2
9041	C4
9042	B5
9045	C3
9046	A2
9048	B4
9049	B4
9050	B3
9051	B3
9404	A3
P016	C4
P017	C2
P051	B1
P054	A1
P056	A5
P057	A5

Spare parts

Second tuner P

Connectors	
	4822 265 4050
	4822 265 4047
	4822 265 3082
	4822 265 3089
	4822 265 2050
	4822 265 2051
Various parts	
1155	4822 320 4005
1201	4822 242 7030
1212	4822 242 7073
1600	4822 210 5012
1610	4822 242 8027
⊣⊢	
2103	4822 122 3244
2105	4822 122 3176
2118	4822 122 3177
2119	4822 122 3180
2120	4822 122 3180
2125	4822 122 3286
2155	4822 122 3286
2158	4822 122 3286
2160	4822 121 4240
2161	4822 121 4185
2162	4822 122 3194
2171	4822 122 3196
2172	4822 126 1117
2176	4822 126 1117
2177	4822 122 3196
2180	4822 122 3176
2181	4822 122 3176
2185	4822 122 3286
2187	4822 122 3286
2189	4822 122 3174
2196	4822 122 3310
2197	4822 122 3138
2201	4822 122 3174
2202	4822 125 5004
2211	4822 122 3174
2212	4822 125 5004
2220	5322 121 4266
2222	4822 122 3254
2227	4822 122 3184
2230	4822 124 4157
2232	4822 124 4167
2234	4822 122 3349
2235	4822 124 4157
2238	4822 121 4293
2239	4822 122 3194
2250	4822 121 5111
2251	5322 122 3164
2255	4822 122 3176
2260	4822 122 3194
2270	4822 122 3194
2330	4822 122 3259
2345	4822 124 4150
2350	4822 124 4084
2351	4822 124 4164
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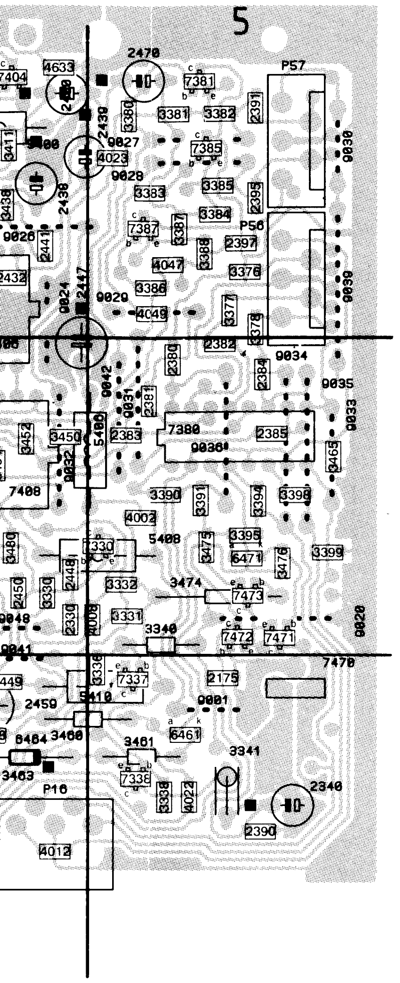
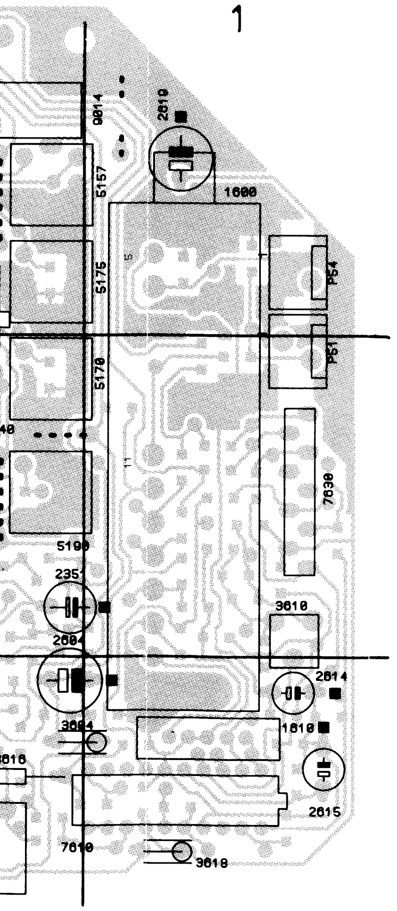
2384	4822 122 3292
2391	4822 122 3292
2395	4822 122 3292





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1212	B2
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2118	C2
2119	C2
2120	C2
2125	A3
2155	A2
2158	A2
2160	B3
2161	B3
2162	A3
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2175	C5
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2177	A2
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2196	B2
2197	A3
2201	B2
2202	B3
2211	B2
2212	B2
2220	B3
2222	A2
2227	A4
2230	C3
2232	C3
2234	C3
2235	C3
2238	B3
2239	E3
2250	B3
2251	B3
2255	C3
2260	B3
2270	B3
2330	B4
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2459	C4
2466	B4
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2614	C1
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3448	B4
3450	B4
3452	B4
3454	B4
3460	C5
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3463	C4
3464	C4
3465	B5
3470	C3
3471	C3
3472	B3
3473	C2
3474	B5
3475	B5
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3620	C1
3621	C1
3622	B1
3624	C2
3625	B1
3626	B1
3630	B1
3631	B1
3633	A4
3634	A4
3635	C2
3636	B1
3637	C2
3638	C2
3997	B3
4001	C2
4002	B5
4003	B4
4005	B3
4007	A2
4008	B5
4009	A3
4011	C2
4012	C4
4013	A4
4014	B4
4015	B4
4016	C1
4017	A2
4018	A2
4019	B2
4020	C2
4021	B2
4022	C5
4024	C4
4025	C4
4026	B3
4027	B4
4028	B3
4029	C2
4046	A3
4047	A5
4048	A3
4049	A5
4402	C4
4403	B4
4404	B4
4410	C4
4411	C4
4415	A3
4417	C4
4418	C4
4419	C4
4420	C4
4421	C4
4631	B1
4632	B1
4633	A4
4634	B1
5118	B2
5155	A3
5157	A1
5170	B2
5175	A1
5190	B2
5400	A4
5402	A3
5403	A3
5406	B5
5408	B5
5410	C5
6300	B4
6301	C2
6461	C5
6464	C4
6471	B5
7103	B2
7105	B2
7125	A2
7126	A3
7200	B2
7210	B2
7233	B2
7234	B2
7235	C2
7330	B5
7335	C4
7337	C5
7338	C5
7350	B2
7380	B5
7381	A5
7385	A5
7387	A5
7400	A4
7402	A4
7404	A4
7406	A4
7408	B4
7410	C4
7470	C5
7471	B5
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9048	B4
9049	B4
9050	B3
9051	B3
9404	A3
P016	C4
P017	C2
P051	B1
P054	A1
P056	A5
P057	A5

Spare parts list / Stückliste / Liste

Second tuner PIP J

Connectors

	4822 265 40503	5P female gold plated
	4822 265 40472	10P female gold plated
	4822 265 30828	5P male
	4822 265 30899	5P
	4822 265 20509	2P grey
	4822 265 20511	2P blue

Various parts

1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867 238 MHz
1212	4822 242 70736	crystal 7,159 090 MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962

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2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8µF 20% 50V
2232	4822 124 41678	22µF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8µF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
2345	4822 124 41506	47µF 20% 16V
2350	4822 124 40849	330µF 20% 16V
2351	4822 124 41643	100µF 20% 16V
2380	4822 122 32927	220nF
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF

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2397	4822 122 32927	220nF
2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1µF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470µF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10µF 20% 50V
2604	4822 124 40195	150µF 20% 16V
2614	4822 124 41506	47µF 20% 16V
2615	4822 124 41576	2,2µF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330µF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF

─▭─

3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 2% 0,25W

─▭─

3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10331	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

Colour television

Chassis

Service
Service
Service

FL 1.1 AC
FL 1.7 AA

Service Manual

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PCS 42 397 GB

1.2 CHASSIS FL1.1 Block diagram

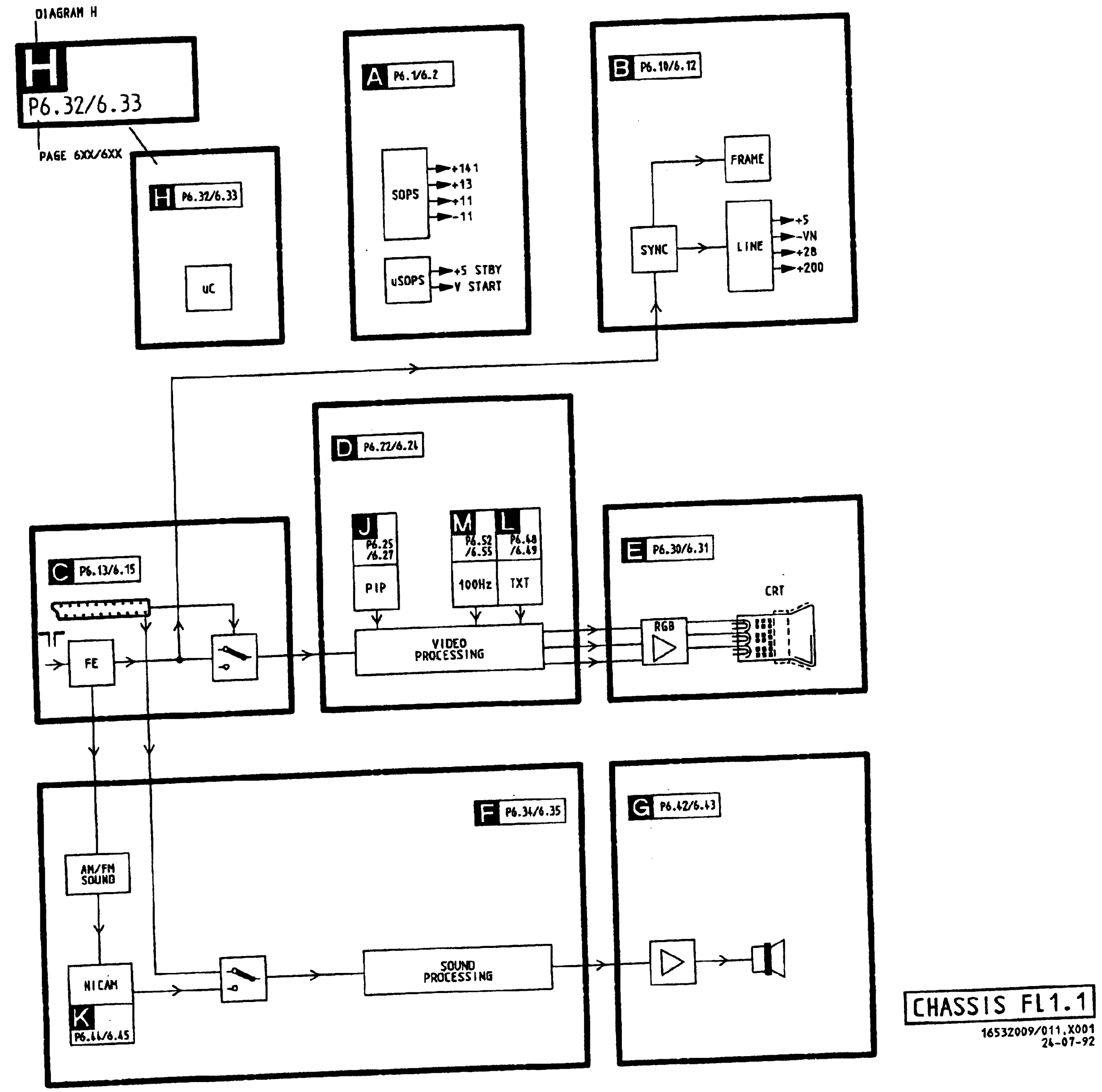


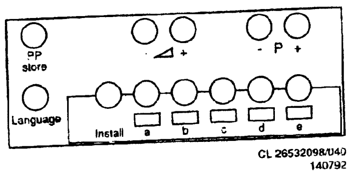
DIAGRAM H
H
P6.32/6.33
PAGE 6XX/6XX
H P6.32/6.33
uC
A P6.1/6.2
SOPS
+141
+13
+11
-11
uSOPS
+5 STBY
V START
B P6.10/6.12
FRAME
SYNC
LINE
+5
-VN
+28
+200
D P6.22/6.24
J P6.25 /6.27
PIP
M P6.52 /6.55
100Hz
L P6.48 /6.49
TXT
VIDEO PROCESSING
C P6.13/6.15
FE
E P6.30/6.31
CRT
RGB
F P6.34/6.35
AM/FM SOUND
NICAM
K P6.44/6.45
SOUND PROCESSING
G P6.42/6.43
CHASSIS FL1.1
16532009/011.X001
24-07-92

Technical data

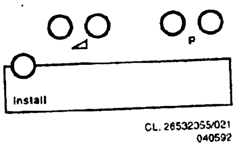
Mains voltage	: 220 - 240 V (± 10%)
	: 50 Hz - 60 Hz (± 5%)
Aerial input impedance	: 75 Ω - koaxial
Minimum aerial voltage	: 30 µV (VHF), 40 µV (UHF)
Maximum aerial voltage VHF/S/UHF	: 180 µV
Pull-in range colour synchronization	: ± 300 Hz
Pull-in range horizontal synchronization	: +200 Hz/-300Hz
Programmes	: 0 - 59
VCR programmes	: 0, 00, 50 - 59

Local operation functions:

Indications:
- On Screen Display (OSD)
- LED:


PP
store
Language
Install
a
b
c
d
e
◿ +
- P +
CL 26532098/040
140792

FL1.1



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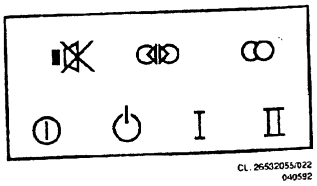
040592

FL1.7



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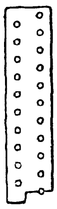
040592

Connection facilities

1. Specification of the connectors

EXT1 (AUX)



1 -Audio ⊖→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio →⊕ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ⊖→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -Blue ⊥
6 -Audio →⊕ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 -Blue (0,7V_{pp}/75Ω)
8 -CVBS-status 1 →⊕ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 -Green ⊥
10 --
11 -Green (0,7V_{pp}/75Ω)
12 --
⊡→ 13 -Red ⊥
14 --
15 -Red (0,7V_{pp}/75Ω)
16 -RGB-status (0-0,4V: int. 1-3V ext. 75Ω
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS ⊖→ (1V_{pp}/75Ω)
20 -CVBS →⊕ (1V_{pp}/75Ω)
21 -Earthscreen

EXT3 (front)

SVHS[1] ⊚ 1 - ⊥
2 - ⊥
3 - Y →⊕ (1V_{pp}; 75Ω)
4 - C →⊕ (0,3V_{pp}; 75Ω)

◎ CINCH Video →⊕ 300mV_{pp}/75Ω[1]
◎ CINCH Audio →⊕ L (0,5V_{RMS}; ≥ 10kΩ)[1]
◎ CINCH Audio →⊕ R (0,5V_{RMS}; ≥ 10kΩ)[1]

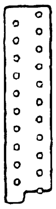
◉ 3.5mm 🎧 32-2000Ω ≥ 10mW

Audio out (rear)

◎ CINCH Audio ⊖→ L (0,5V_{RMS}; ≤ 1kΩ)
◎ CINCH Audio ⊖→ R (0,5V_{RMS}; ≤ 1kΩ)

🔊		
	front	: 2 x 16W / 8Ω[1]
	rear	: 2 x 6W / 8Ω[1]

EXT2 (VCR)



1 -Audio ⊖→ R (0,5V_{RMS} ≤ 1kΩ)
2 -Audio →⊕ R (0,2 - 2V_{RMS} ≥ 10kΩ)
3 -Audio ⊖→ L (0,5V_{RMS} ≤ 1kΩ)
4 -Audio ⊥
5 -
6 -Audio →⊕ L (0,2 - 2V_{RMS} ≥ 10kΩ)
7 --
8 -CVBS-status 2 →⊕ 0-2V: int
4,5-7V: ext 16:9
9,5-12V: ext 4:3
9 --
10 --
11 --
12 --
⊡→ 13 --
14 --
15 --
16 --
17 -CVBS ⊥
18 -CVBS ⊥
19 -CVBS →⊕ (1V_{pp}/75Ω)
20 -CVBS →⊕ (1V_{pp}/75Ω)
21 -Earthscreen

EXT2 (SVHS) (rear)

SVHS ⊚ 1 - ⊥
2 - ⊥
3 - Y →⊕ (1V_{pp}; 75Ω)
4 - C →⊕ (0,3V_{pp}; 75Ω)

◎ CINCH Audio →⊕ L (0,5V_{RMS}; ≥ 10kΩ)
◎ CINCH Audio →⊕ R (0,5V_{RMS}; ≥ 10kΩ)

SVHS[1] ⊚ 1 - ⊥
2 - ⊥
3 - Y ⊖→ (1V_{pp}; 75Ω)
4 - C ⊖→ (0,3V_{pp}; 75Ω)

◎ CINCH Audio ⊖→ L (0,5V_{RMS}; ≤ 1kΩ)[1]
◎ CINCH Audio ⊖→ R (0,5V_{RMS}; ≤ 1kΩ)[1]

---

[1] Only for FL1.1.

2.2 CHASSIS FL1.1 Connection facilities

2. Connection of equipment

When an SVHS source is connected to EXT2' (SVHS) or EXT3 (SVHS) the CVBS at these inputs is switched off. To reproduce the CVBS signal from these inputs, the particular SVHS plug must first be removed.

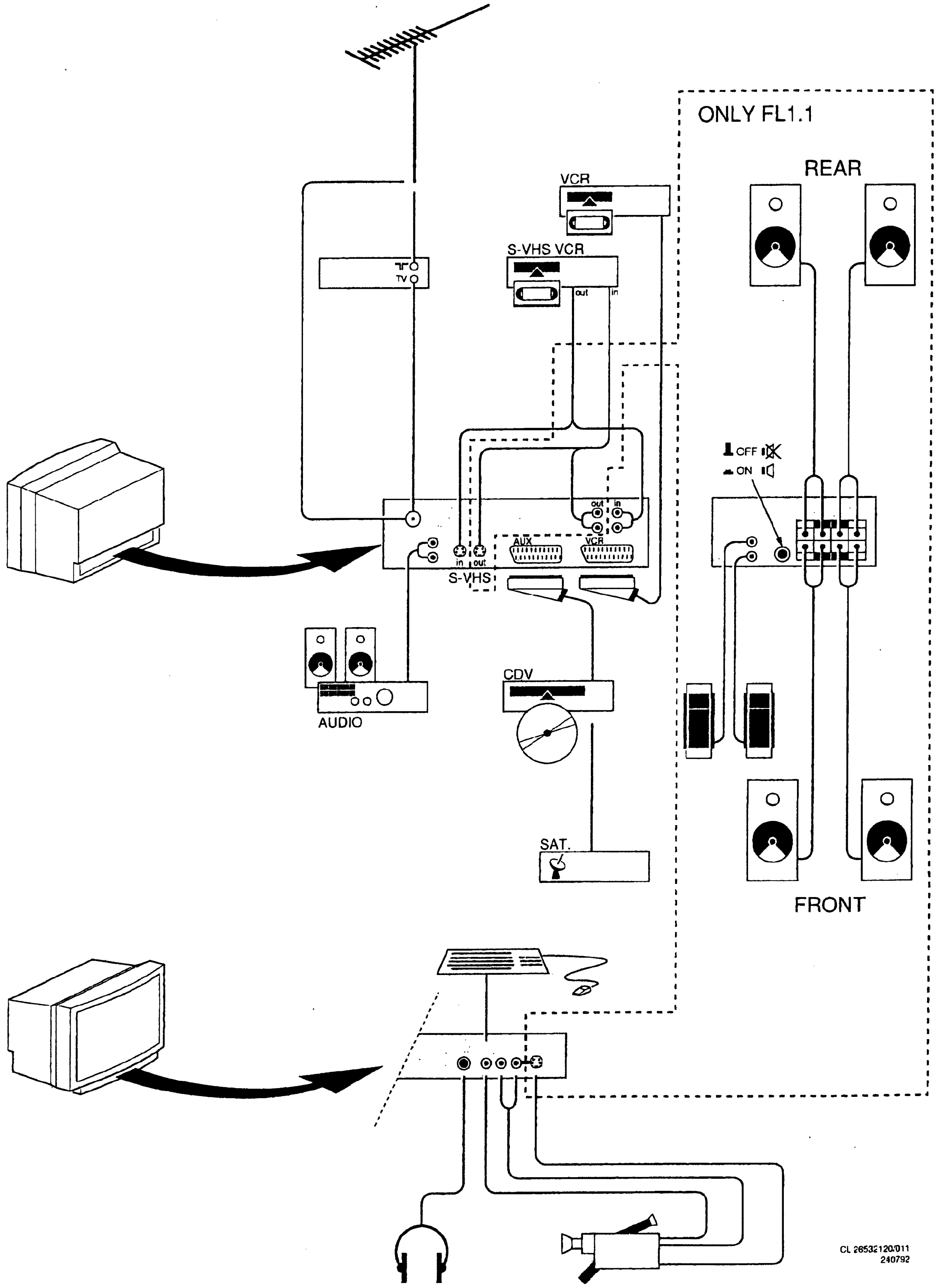

ONLY FL1.1
REAR
VCR
S-VHS VCR
out
in
TV
OFF
ON
out
in
AUX
VCR
in
out
S-VHS
AUDIO
CDV
SAT.
FRONT
CL 26532120/011
240792

Fig. 2.1

Warnings

1. Safety regulations require that the unit should be returned in its original condition and that components identical to the original components are used. The safety components are indicated by the symbol ⚠.

2. In order to prevent damage to ICs and transistors, all high-voltage flashovers must be avoided. In order to prevent damage to the picture tube, the method shown in Fig.1 should be used to discharge the picture tube. Use a high-voltage probe and a multimeter (position DC-V). Discharge until the meter reading is 0V (after approx. 30s).

3. **ESD** ⚠

   All ICs and many other semiconductors are sensitive to electrostatic discharges (ESD). Careless handling during repair can drastically shorten the life. Make sure that during repair you are connected by a pulse band with resistance to the same potential as the earth of the unit. Keep components and tools also at this same potential.

4. When repairing a unit, always connect it to the mains voltage via an isolating transformer.

5. Be careful when taking measurements in the high-voltage section and on the picture tube.

6. Never replace modules or other components while the unit is switched on.

7. It is recommended that safety goggles are worn when replacing the picture tube.

8. When making settings, use plastic rather than metal tools.
   This will prevent any short circuits and the danger of a circuit becoming unstable.

9. After repair the wiring should be fastened once more in the cable clamps for this purpose.

10. In order to prevent measuring errors, the heat sinks should not be used as reference points for measurements.
    The heat sink for the sound output amplifier (next to the channel selector) is connected to the -16 or -12 volts.

11. On this unit the 140 volt supply voltage is not supplied via an interconnection on the deflection yoke to the line output transformer. When the deflection cable is detached, the +140 volt supply remains loaded. In order to unload the +140 volts, coil 5511 should be removed.

12. Together with the deflection unit and any multipole unit, the flat square picture tubes used form an integrated unit. The deflection and the multipole units are set optimally at the factory. Adjustment of this unit during repair is therefore not recommended.

Notes

1. The direct voltages and oscillograms should be measured with regard to the tuner earth (⊥), or hot earth (⊥ϟ) as this is called.

2. The direct voltages and oscillograms shown in the diagrams should be measured in the Service Default Mode (see chapter 8) with a colour bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz.

3. Where necessary, the oscillograms and direct voltages are measured with (┐┌) and without aerial signal (⋊). Voltages in the power supply section are measured both for normal operation (Φ) and in standby (⏻). These values are indicated by means of the appropriate symbols.

4. The picture tube PCB has printed spark gaps. Each spark gap is connected between an electrode of the picture tube and the Aquadag coating.

5. The semiconductors indicated in the circuit diagram and in the parts lists are completely interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.

6. The connectors used for the modules (board to board) are gold-plated and should only be replaced by the same type.

7. In the case of error searching and/or repair to the PIP module, the accessibility of the circuit and the components can be increased by using extension cards.
   5 times: 4822 395 30261
   10 times: 4822 395 30257

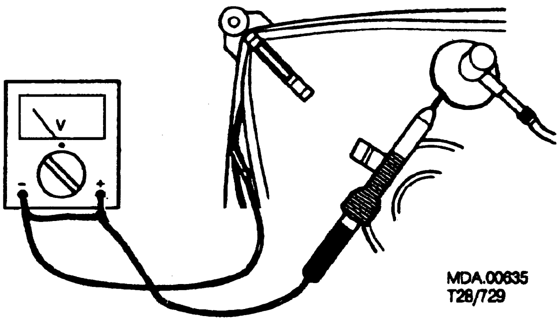


fig. 3.1

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Mechanical instructions

1. Removing the back plate (Fig. 4.1)

Remove cover A from the back plate.
Remove connector B (L36) of the subwoofer.
Remove attachment screws C from the back plate.
Remove the back plate with the subwoofer fitted in it.
Attach the back plate by carrying out the above in the reverse order.

2. Service position to measure test points (Fig. 4.2)

Unlock the chassis panels by pressing locks D.
Pull both chassis panels backwards at the same time until all measuring points are accessible.

3. Service position for repair (Fig. 4.3)

Remove the LED display E (see Fig. 4.3) of the large signal panel.
Tilt the back of the two panels and attach both panels using brackets F situated on the underside of the small signal panel, at an angle of 90° to one another.

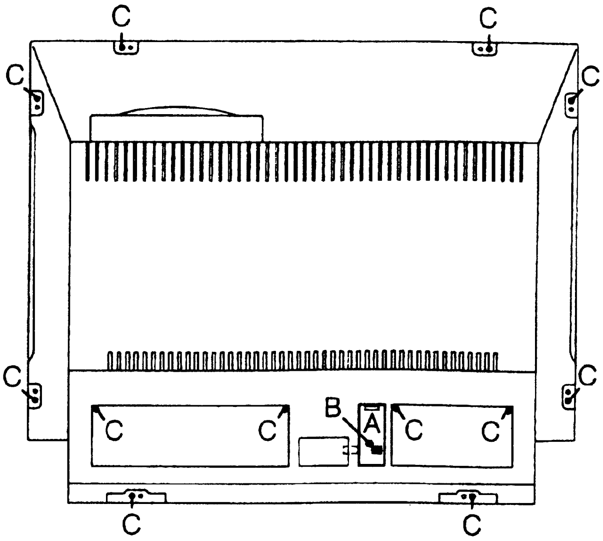
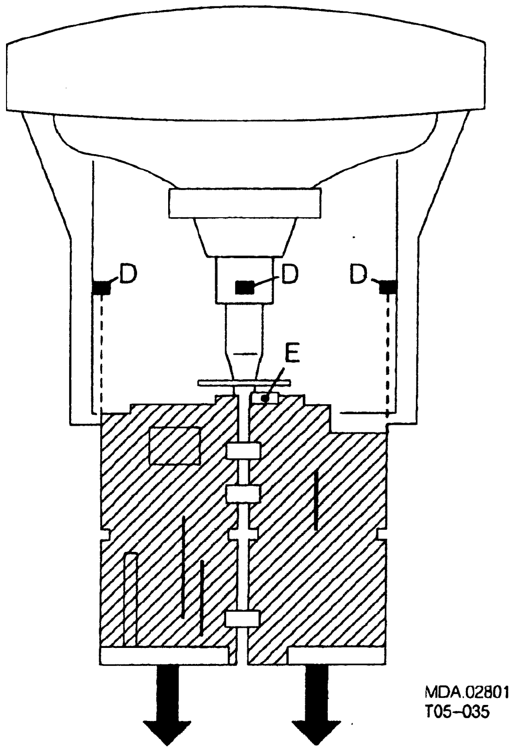


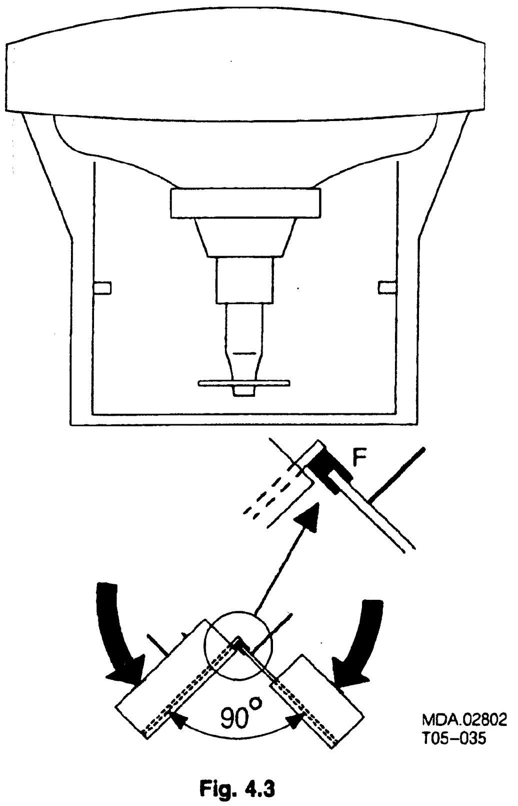
Fig. 4.1

MDA.02803
T05-035



MDA.02801
T05-035

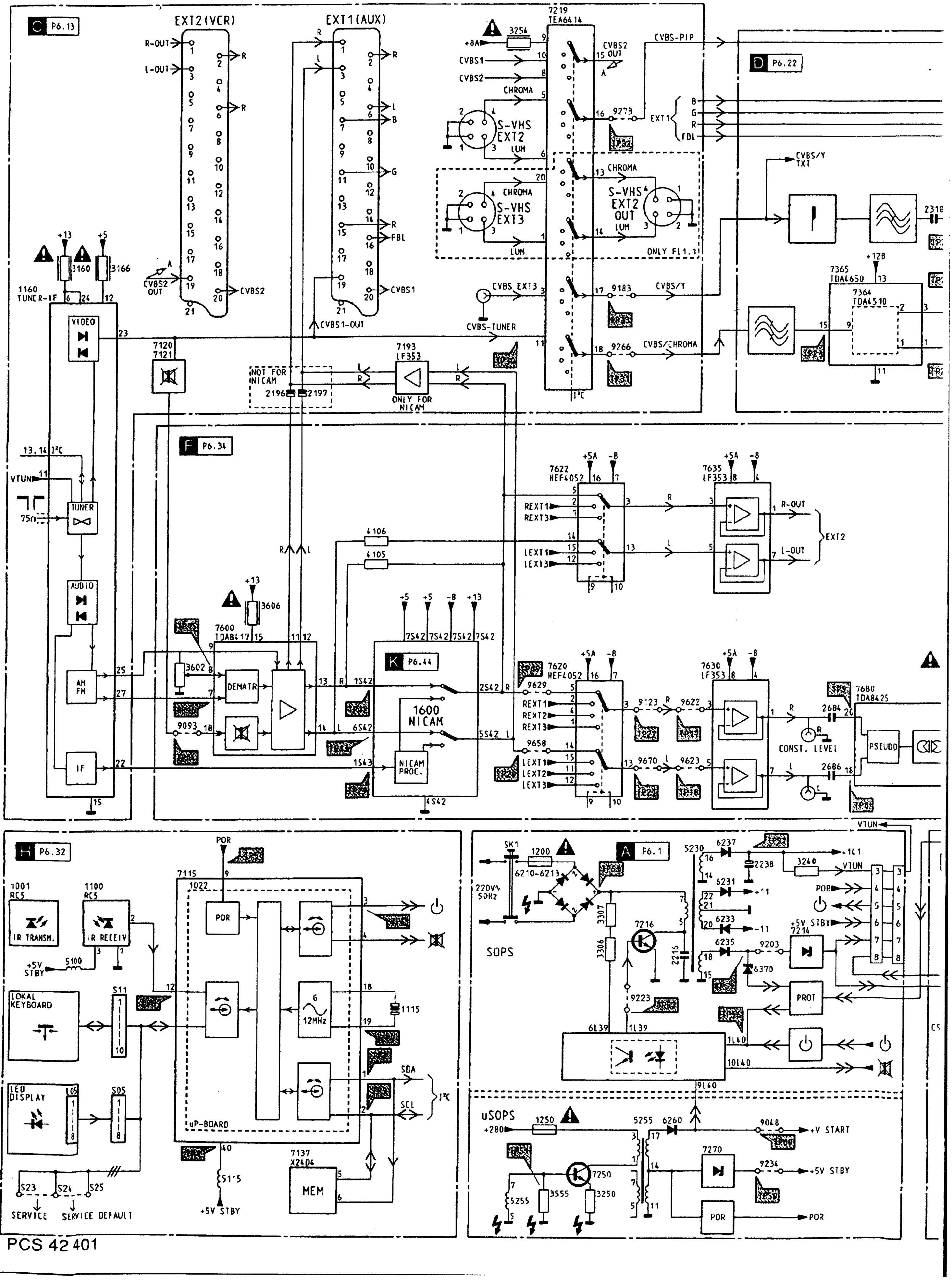
Fig. 4.2



MDA.02802
T05-035

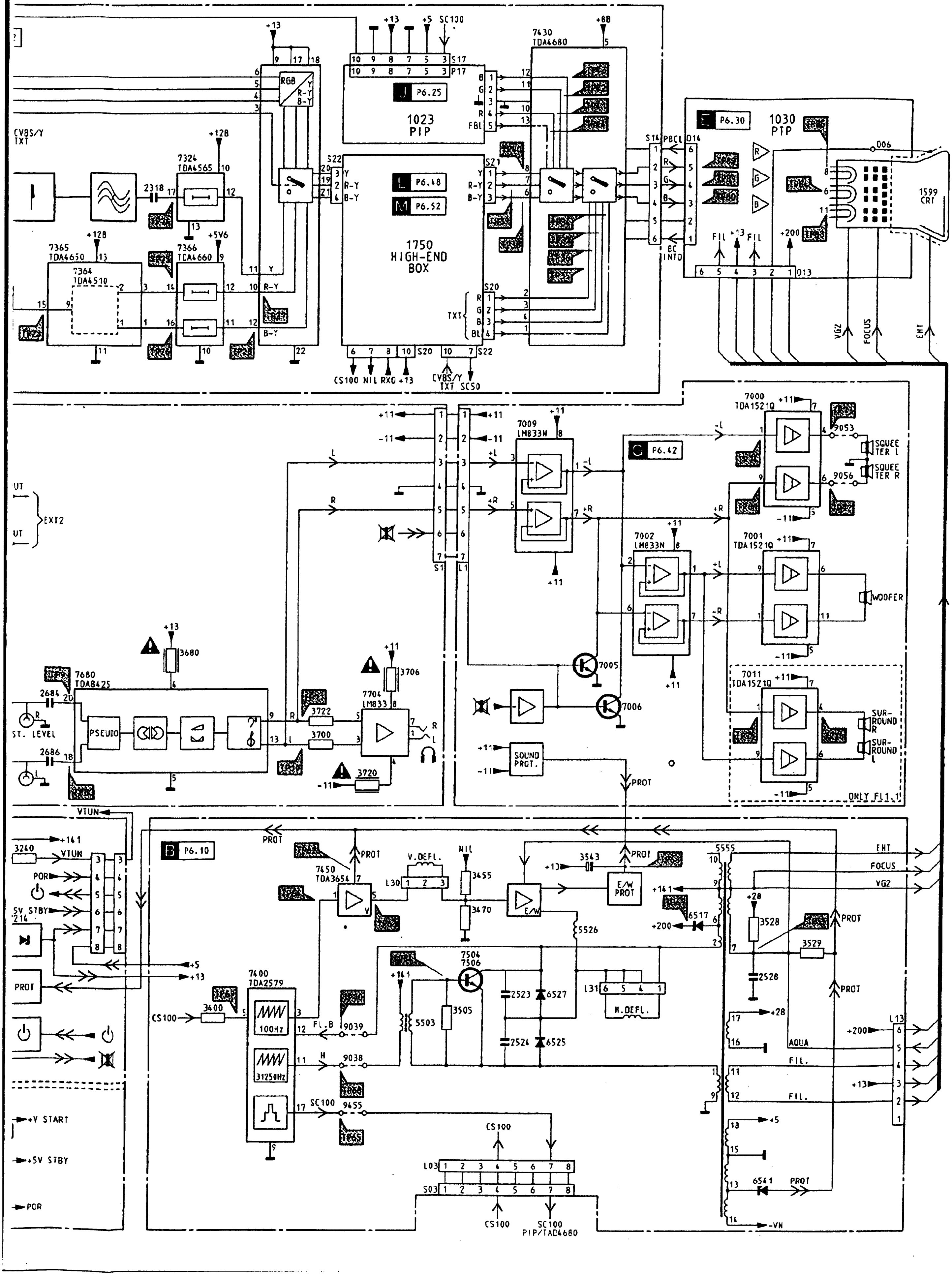
Fig. 4.3

Blockdiagram / Blockschaltbild /


C P6.13
EXT2(VCR)
EXT1(AUX)
R-OUT
L-OUT
CVBS2 OUT
CVBS2
CVBS1
CVBS1-OUT
FBL
7219 TEA6414
3256
+8A
CVBS2 OUT
CVBS-PIP
CHROMA
S-VHS EXT2
LUM
9273
EXT1
S-VHS EXT3
S-VHS EXT2 OUT
ONLY FL1.11
CVBS EXT3
CVBS-TUNER
9183
CVBS/Y
9266
CVBS/CHROMA
I²C
D P6.22
CVBS/Y TXT
2318
+12B
7365 TDA4650
7364 TDA4510
1160 TUNER-IF
+13
+5
3160
3166
VIDEO
7120 7121
NOT FOR NICAM
2196
2197
7193 LF353
ONLY FOR NICAM
F P6.34
13,14 I²C
VTUN
TUNER
75Ω
AUDIO
AM FM
IF
7622 HEF4052
+5A
-8
REXT1
REXT3
LEXT1
LEXT3
7635 LF353
R-OUT
L-OUT
EXT2
4106
4105
3606
7600 TDA8417
3602
DEMATR
9093
K P6.44
7542
1542
2542
1600 NICAM
6542
5542
1543
NICAM PROC.
4542
7620 HEF4052
9629
REXT2
9658
LEXT2
9123
9622
9670
9623
7630 LF353
7680 TDA8425
2684
2686
CONST. LEVEL
PSEUDO
H P6.32
POR
1001 RC5 IR TRANSM.
1100 RC5 IR RECEIV
+5V STBY
5100
7115
1022
12MHz
1115
LOKAL KEYBOARD
S11
LED DISPLAY
L05
S05
SDA
SCL
I²C
µP-BOARD
7137 X2404
MEM
5115
S23
S24
S25
SERVICE
SERVICE DEFAULT
A P6.1
SK1
1200
6210-6213
220V~ 50Hz
SOPS
5230
6237
+141
2238
3240
6231
+11
6233
-11
+5V STBY
7214
6235
9203
6370
3307
3306
7216
2216
9223
PROT
6139
1139
1140
10140
9140
VTUN
uSOPS
+280
1250
5255
6260
9048
+V START
7270
9234
7250
3555
3250
CS

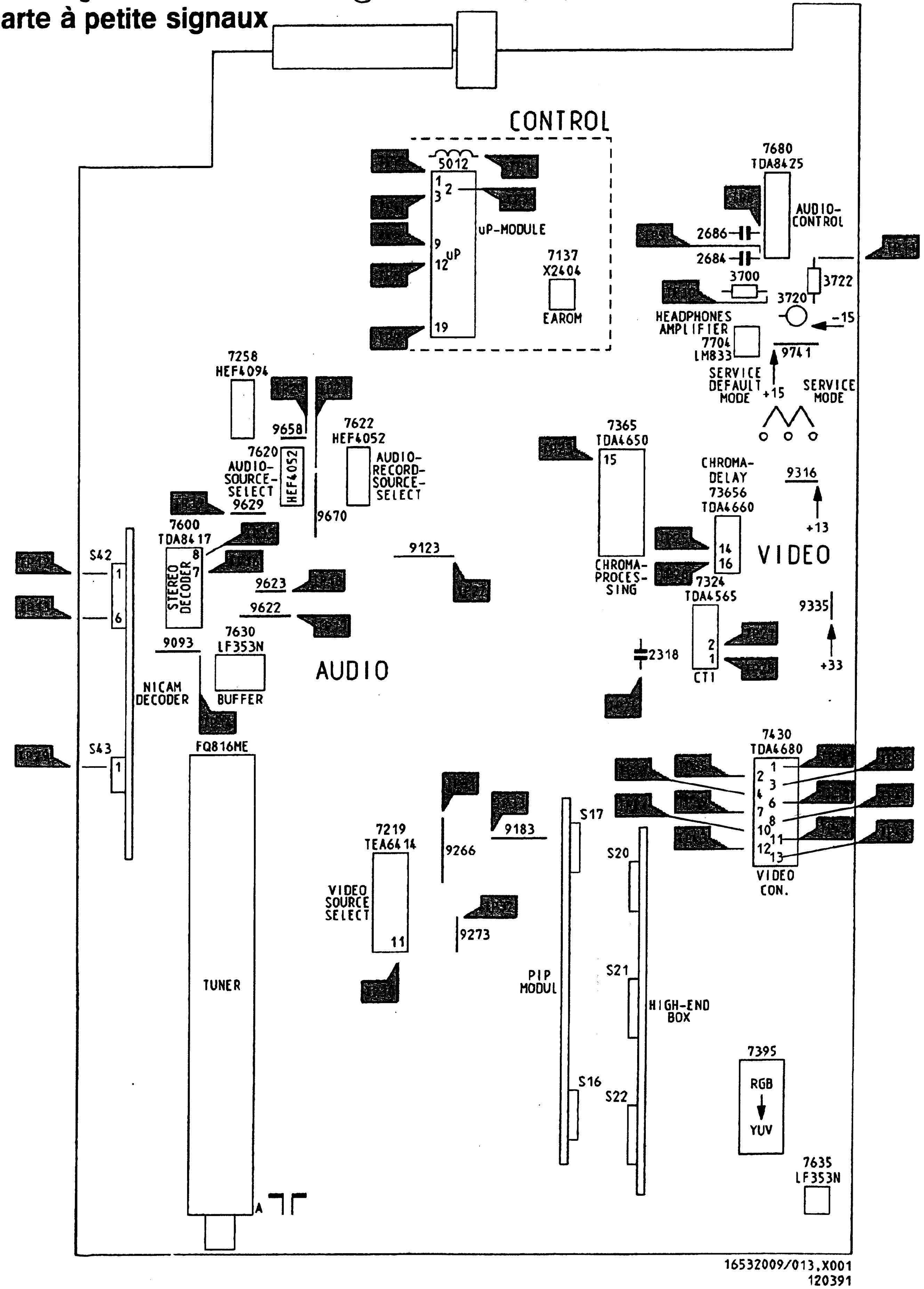
5.1 **5.2** **CHASSIS FL 1.1**

Diagramme schématique



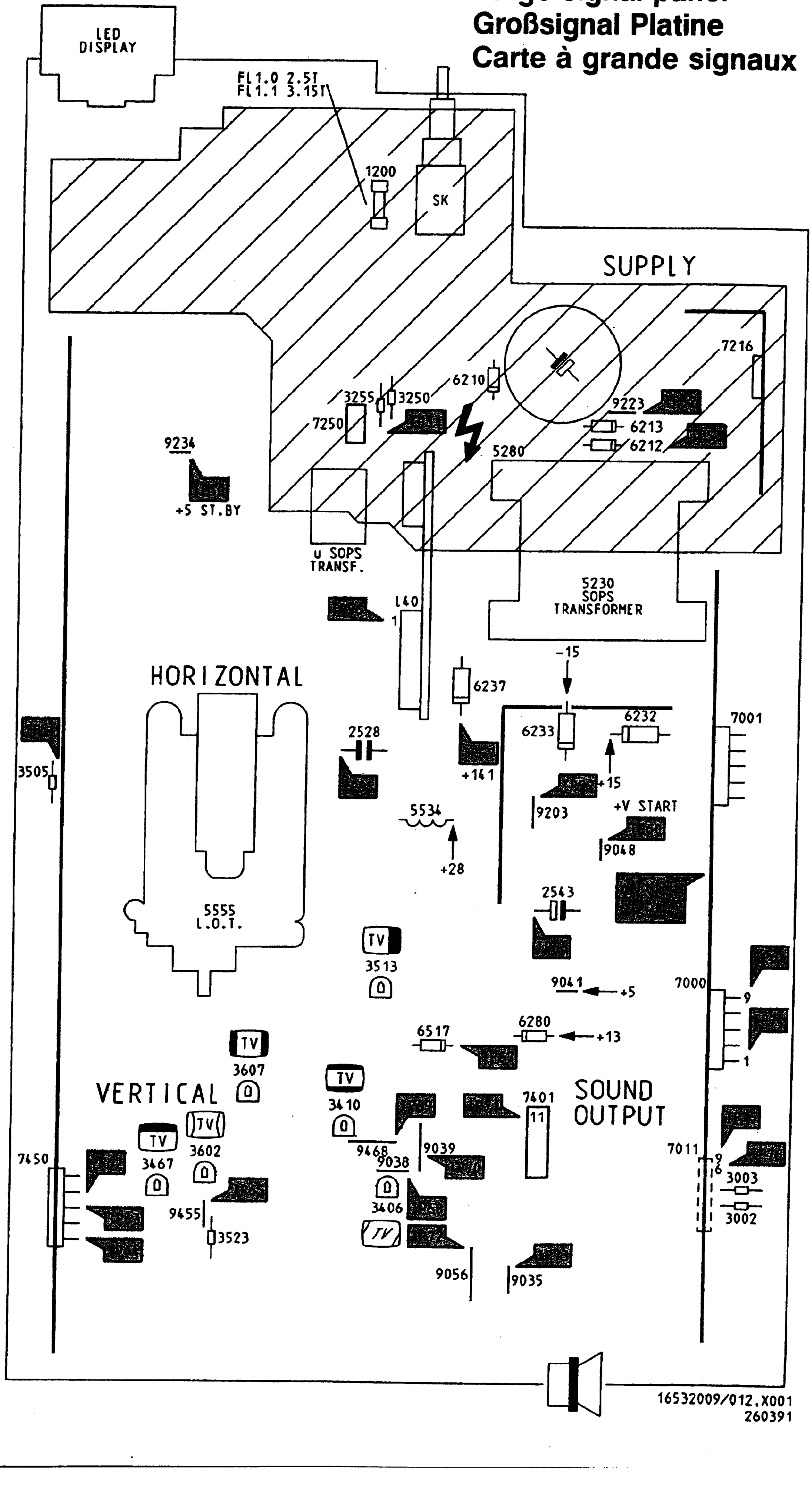
1023 PIP
P6.25
1750 HIGH-END BOX
P6.48
P6.52
7430 TDA4680
1030 PTP
P6.30
1599 CRT
7324 TDA4565
7365 TDA4650
7364 TDA4510
7366 TDA4660
CVBS/Y TXT
RGB
Y
R-Y
B-Y
S17
P17
S22
S21
S20
S14
D14
D13
PBCL
BC INTO
TX1
FBL
FIL
+13
+200
+8B
+128
+5V6
SC100
CS100
NIL
RXD
CVBS/Y TXT
SC50
VG2
FOCUS
EHT
006
EXT2
7009 LM833N
7002 LM833N
7000 TDA1521Q
7001 TDA1521Q
7011 TDA1521Q
P6.42
SQUEE TER L
SQUEE TER R
9053
9056
WOOFER
SUR-ROUND R
SUR-ROUND L
ONLY FL1.1
7005
7006
SOUND PROT.
PROT
S1
L1
7680 TDA8425
PSEUDO
ST. LEVEL
2684
2686
3680
7704 LM833
3706
3722
3700
3720
VTUN
3260
+141
POR
5V STBY
P6.10
7450 TDA3654
V.DEFL.
L30
3455
3470
E/W
E/W PROT
3543
5555
5526
6517
3528
3529
2528
+28
7400 TDA2579
100Hz
31250Hz
3600
FL.B
9039
9038
9455
7504 7506
5503
3505
2523
2524
6527
6525
L31
H.DEFL.
AQUA
FIL.
L13
L03
S03
CS100
SC100 PIP/TAD4680
6541
-VN
+V START
+5V STBY
POR

Small signal panel
Klein-signal Platte
Carte à petite signaux


CONTROL
5012
1
3
2
9
12
uP
19
uP-MODULE
7137
X2404
EAROM
7680
TDA8425
AUDIO-
CONTROL
2686
2684
3700
3720
3722
HEADPHONES
AMPLIFIER
7704
LM833
-15
9741
SERVICE
DEFAULT
MODE
+15
SERVICE
MODE
7258
HEF4094
9658
7620
AUDIO-
SOURCE-
SELECT
9629
HEF4052
7622
HEF4052
AUDIO-
RECORD-
SOURCE-
SELECT
9670
7365
TDA4650
15
CHROMA-
PROCES-
SING
CHROMA-
DELAY
73656
TDA4660
14
16
9316
+13
VIDEO
7324
TDA4565
2
1
CTI
2318
9335
+33
7600
TDA8417
8
7
STEREO
DECODER
S42
1
6
9623
9622
9123
9093
7630
LF353N
BUFFER
NICAM
DECODER
AUDIO
S43
1
FQ816ME
TUNER
A
7219
TEA6414
VIDEO
SOURCE
SELECT
11
9266
9273
9183
S17
PIP
MODUL
S16
S20
S21
S22
HIGH-END
BOX
7430
TDA4680
1
2
3
4
6
7
8
10
11
12
13
VIDEO
CON.
7395
RGB
YUV
7635
LF353N

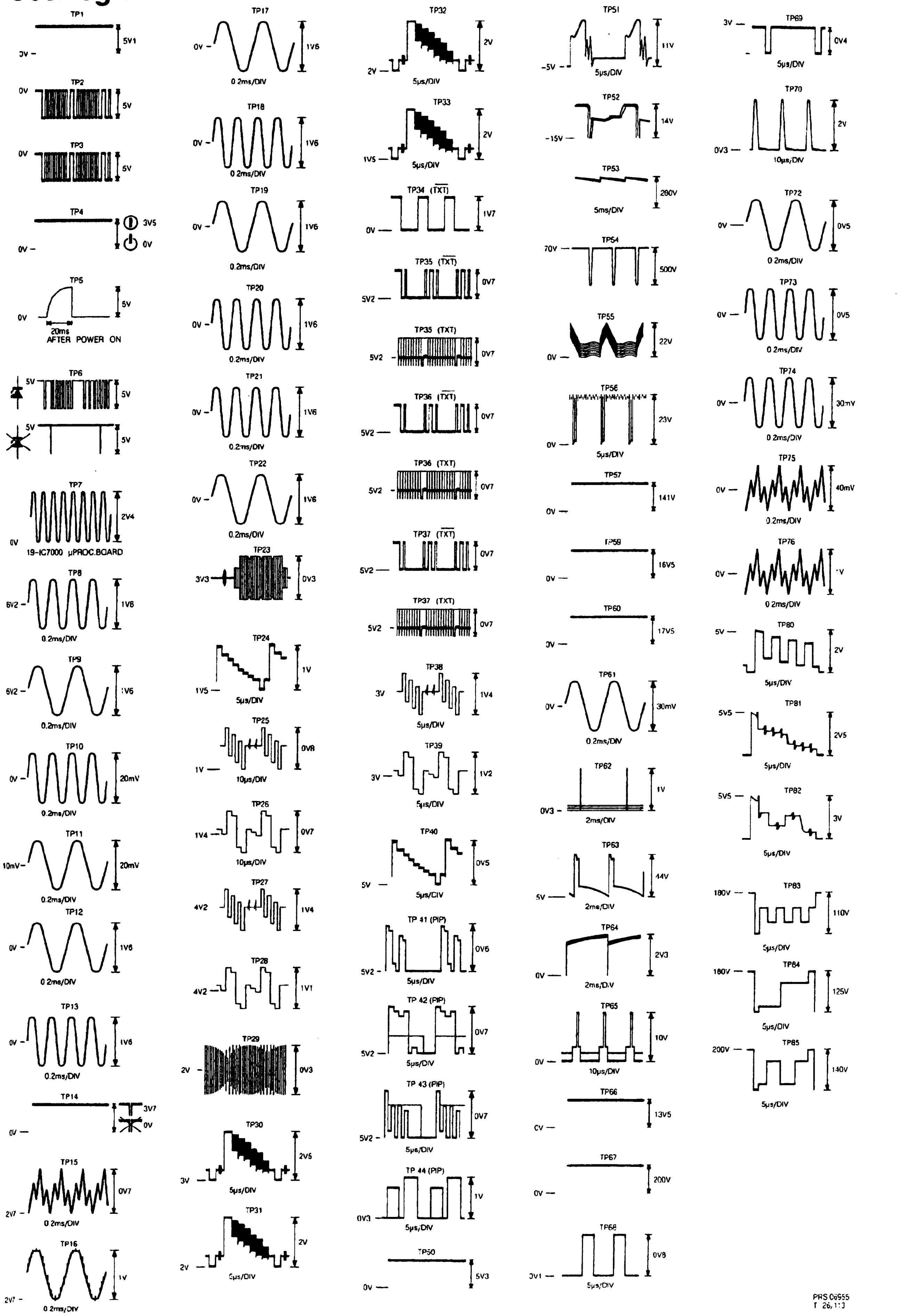
16532009/013.X001
120391
]

Large signal panel
Großsignal Platine
Carte à grande signaux


LED DISPLAY
FL1.0 2.5T
FL1.1 3.15T
1200
SK
SUPPLY
7216
6210
3255
3250
9223
7250
6213
6212
5280
9234
+5 ST.BY
u SOPS TRANSF.
5230 SOPS TRANSFORMER
L40
1
HORIZONTAL
-15
6237
6232
7001
2528
6233
+141
+15
3505
9203
+V START
5534
9048
+28
2543
5555 L.O.T.
TV
3513
9041
+5
7000
9
6280
6517
+13
TV
1
3607
TV
VERTICAL
3410
7401
11
SOUND OUTPUT
TV
3602
7450
3467
9468
9039
7011
9038
9
16
3003
9455
3406
3002
3523
TV
9056
9035

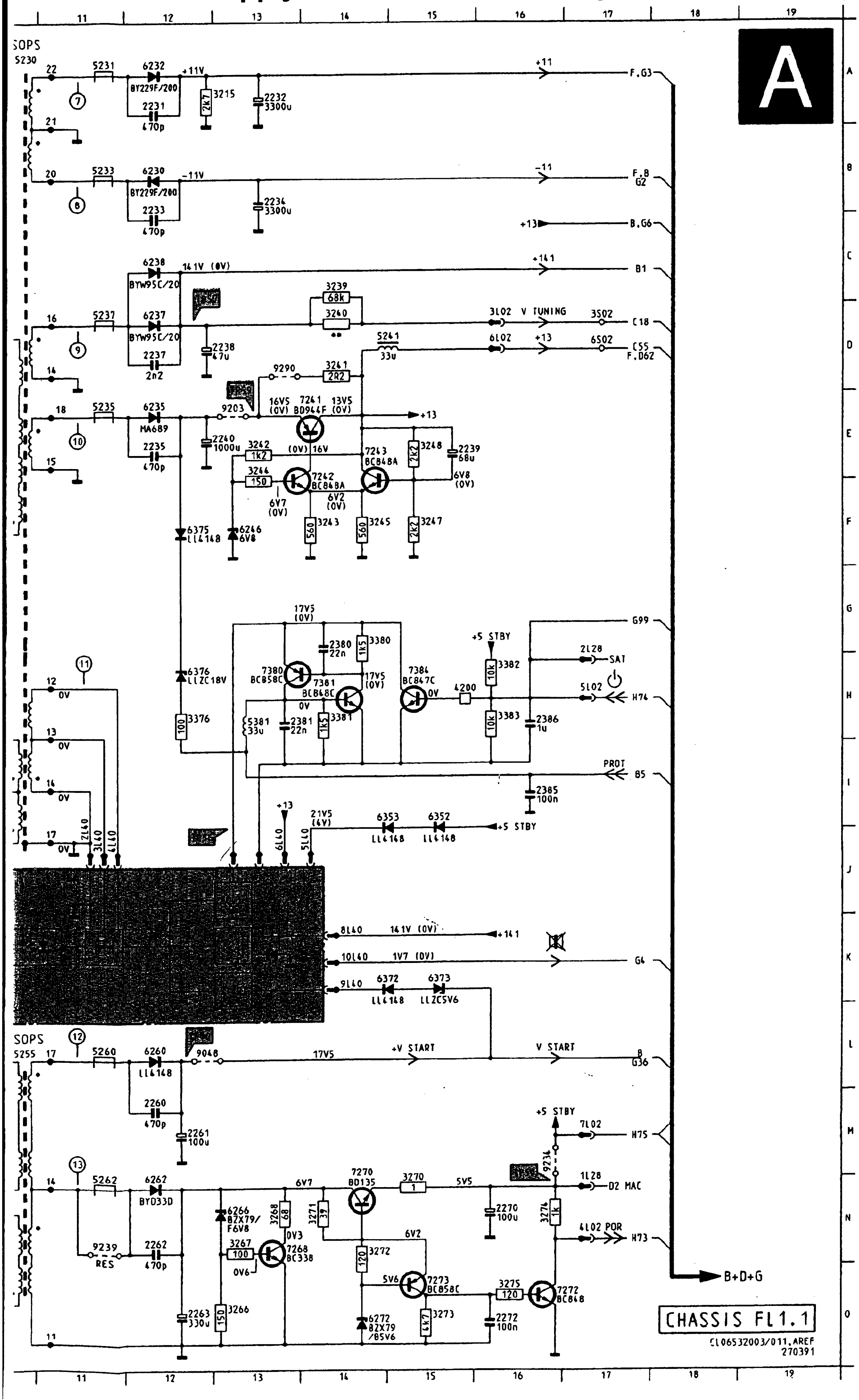
16532009/012.X001
260391

Oscillograms



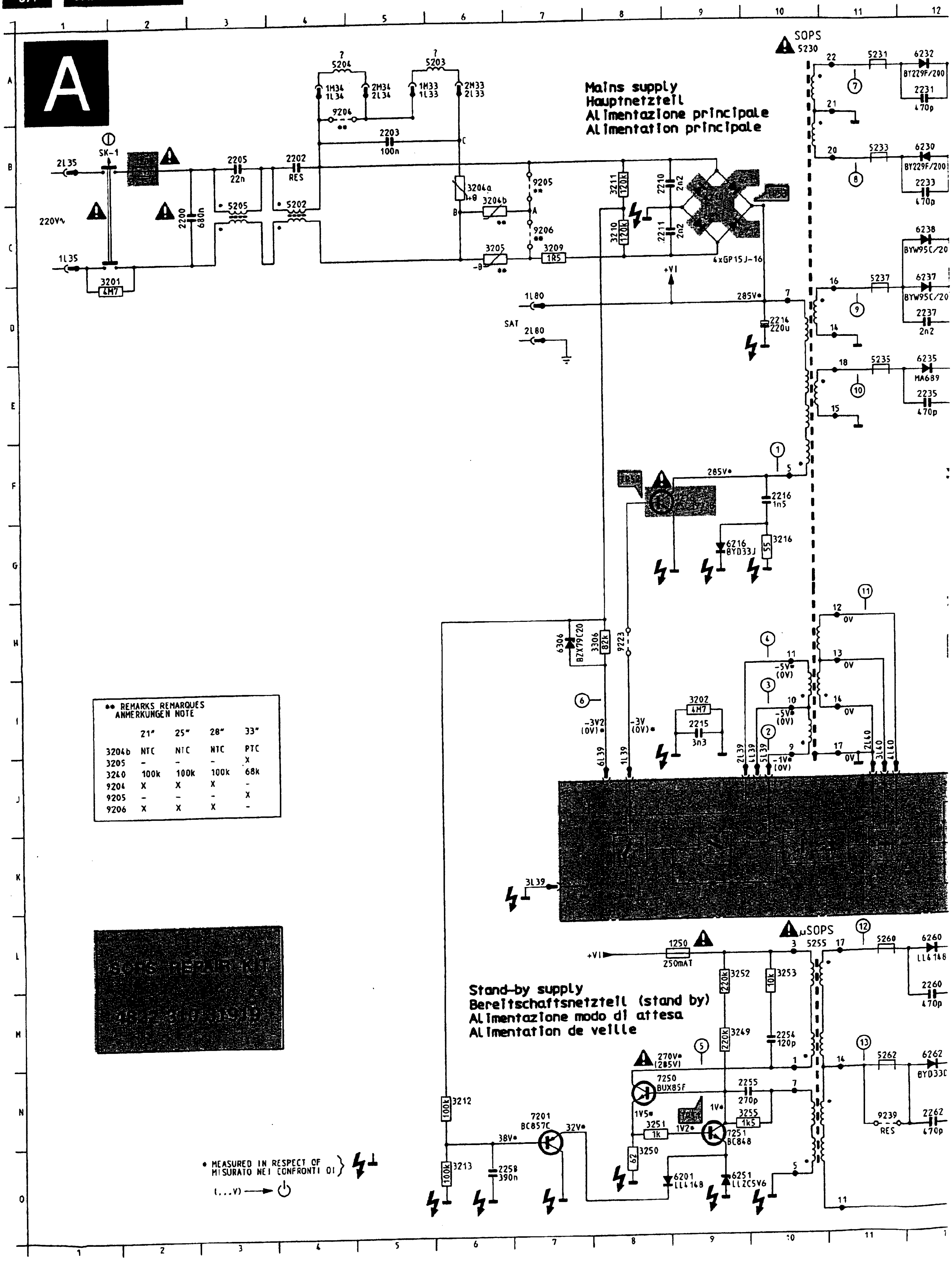
PRS C6955
T 26,113

Power supply Stromversorgung


A
SOPS
5230
22
5231
6232
+11V
BY229F/200
2231
470p
3215
2K7
2232
3300u
+11
F,G3
21
20
5233
6230
-11V
BY229F/200
2233
470p
2234
3300u
-11
F,B G2
+13
B,G6
6238
141V (0V)
BYW95C/20
+141
B1
3239
68k
3240
16
5237
6237
BYW95C/20
2238
47u
2237
2n2
14
3L02 V TUNING
3502
C18
5241
33u
6L02
+13
6502
C55 F,D62
9290
3241
2R2
18
5235
6235
MA689
9203
16V5 (0V)
7241 BD944F
13V5 (0V)
+13
2235
470p
2240
1000u
3242
1K2
(0V) 16V
7243 BC848A
3248
2K2
2239
68u
6V8 (0V)
15
3244
150
7242 BC848A
6V7 (0V)
6V2 (0V)
6375 LL4148
6246 6V8
560
3243
560
3245
2K2
3247
17V5 (0V)
G99
2380 22n
3380
1K5
+5 STBY
7380 BC858C
7381 BC848C
17V5 (0V)
7384 BC847C
0V
3382
10K
2L28
SAT
6376 LLZC18V
12
0V
4200
5L02
H74
0V
5381 33u
2381 22n
1K5
3381
10K
3383
2386 1u
3376
100
13
0V
PROT
B5
14
0V
2385 100n
17
0V
2L40
3L40
4L40
+13
6L40
21V5 (4V)
5L40
6353 LL4148
6352 LL4148
+5 STBY
8L40
141V (0V)
+141
10L40
1V7 (0V)
G4
9L40
6372 LL4148
6373 LLZC5V6
SOPS
5255
17
5260
6260
LL4148
9048
17V5
+V START
V START
B G36
2260
470p
2261
100u
+5 STBY
7L02
H75
14
5262
6262
BYD33D
6V7
7270 BD135
3270
1
5V5
9234
1L28
D2 MAC
6266 BZX79/ F6V8
3268
68
0V3
3271
39
2270
100u
3274
1K
4L02 POR
H73
9239 RES
2262 470p
3267 100
7268 BC338
0V6
3272
120
6V2
5V6
7273 BC858C
3275 120
7272 BC848
B+D+G
2263 330u
3266 150
6272 BZX79 /B5V6
3273 4K7
2272 100n
11
CHASSIS FL1.1
CL06532003/011.AREF
270391
11
12
13
14
15
16
17
18
19

1200	B 2	7216	F 9
1250	L 9	7241	E14
2200	C 2	7242	E14
2202	B 4	7243	E14
2203	B 5	7250	N 8
2205	B 3	7251	N 9
2210	B 9	7268	N13
2211	C 9	7270	M14
2214	D10	7272	O16
2215	I 9	7273	O15
2216	F10	7380	H13
2231	A12	7381	H14
2232	A13	7384	H15
2233	B12	9048	L12
2234	B13	9203	E13
2235	E12	9204	A 4
2237	D12	9205	B 7
2238	D12	9206	C 7
2239	E15	9223	H 8
2240	E12	9234	M16
2254	M10	9239	N11
2255	N 9	9290	D13
2258	O 6		
2260	M12		
2261	M12		
2262	N12		
2263	O12		
2270	N16		
2272	O16		
2380	G14		
2381	H13		
2385	I16		
2386	H16		
3201	C 1		
3202	I 9		
3204	C 6		
3204	B 6		
3205	C 6		
3209	C 7		
3210	C 8		
3211	B 8		
3212	N 6		
3213	O 6		
3215	A13		
3216	G10		
3239	C14		
3240	D14		
3241	D14		
3242	E13		
3243	F14		
3244	E13		
3245	F14		
3247	F15		
3248	E15		
3249	M 9		
3250	O 8		
3251	N 8		
3252	L 9		
3253	L10		
3255	N 9		
3266	O13		
3267	N13		
3268	N13		
3270	N15		
3271	N14		
3272	N14		
3273	O15		
3274	N16		
3275	O16		
3306	H 8		
3376	H12		
3380	G14		
3381	H14		
3382	H16		
3383	H16		
4102	N17		
4200	H15		
5202	C 4		
5203	A 6		
5204	A 4		
5205	C 3		
5230	A10		
5231	A11		
5233	B11		
5235	E11		
5237	D11		
5241	D14		
5255	L10		
5260	L11		
5262	N11		
5381	H13		
6201	O 9		
6210	C 9		
6211	C 9		
6212	C 9		
6213	B 9		
6216	G 9		
6230	B12		
6232	A12		
6235	E12		
6237	D12		
6238	C12		
6246	F13		
6251	O 9		
6260	L12		
6262	N12		
6266	N13		
6272	O14		
6306	H 7		
6352	I15		
6353	I14		
6372	K14		
6373	K15		
6375	F12		
6376	H12		
7201	N 7		

Powe

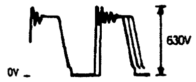

A
Mains supply
Hauptnetzteil
Alimentazione principale
Alimentation principale
SOPS
5230
SK-1
2L35
1L35
220V∿
3201
4M7
2200
680n
2205
22n
5205
2202
RES
5202
5204
1M34
1L34
2M34
2L34
5203
1M33
1L33
2M33
2L33
9204
2203
100n
3204a
+θ
3204b
3205
-θ
9205
9206
3209
1R5
3211
120k
3210
120k
2210
2n2
2211
2n2
4xGP15J-16
+VI
1L80
SAT
2L80
285V•
2214
220u
22
21
20
16
14
18
15
5231
5233
5237
5235
6232
BY229F/200
2231
470p
6230
BY229F/200
2233
470p
6238
BYW95C/20
6237
BYW95C/20
2237
2n2
6235
MA689
2235
470p
285V•
2216
1n5
6216
BYD33J
3216
5S
6306
BZX79C20
3306
82k
9223
-3V2
(0V)•
-3V
(0V)•
6L39
1L39
3202
4M7
2215
3n3
2L39
5L39
-5V•
(0V)
-1V•
(0V)
12
0V
13
17
2L40
3L40
4L40
3L39
µSOPS
5255
1250
250mAT
3252
220k
3253
10k
3249
220k
2254
120p
270V•
(285V)
7250
BUX85F
2255
270p
3255
1k5
1V•
1V5•
3251
1k
1V2•
7251
BC848
3250
62
6201
LL4148
6251
LLZC5V6
7201
BC857C
38V•
32V•
3212
100k
3213
100k
2258
390n
5260
6260
LL4148
2260
470p
5262
6262
BYD33D
9239
RES
2262
470p
Stand-by supply
Bereitschaftsnetzteil (stand by)
Alimentazione modo di attesa
Alimentation de veille
SOPS REPAIR KIT
• MEASURED IN RESPECT OF
MISURATO NEI CONFRONTI DI
(...V)

** REMARKS REMARQUES
ANMERKUNGEN NOTE

	21"	25"	28"	33"
3204b	NTC	NTC	NTC	PTC
3205	-	-	-	X
3240	100k	100k	100k	68k
9204	X	X	X	-
9205	-	-	-	X
9206	X	X	X	-

L'alimentation

1



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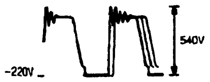

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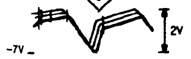

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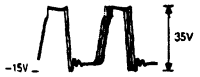

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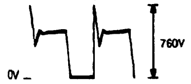

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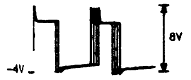

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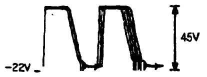

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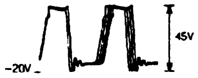

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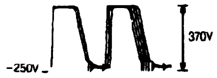

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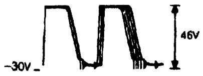

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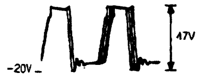

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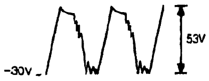

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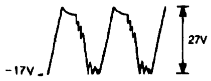
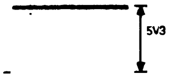
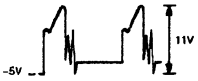


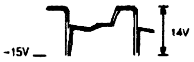
TP 50



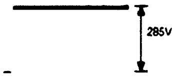
TP 51



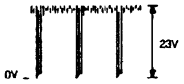
TP 52



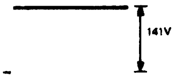
TP 53



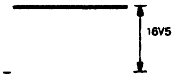
TP 56



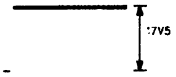
TP 57



TP 59



TP 60



PRS 06958
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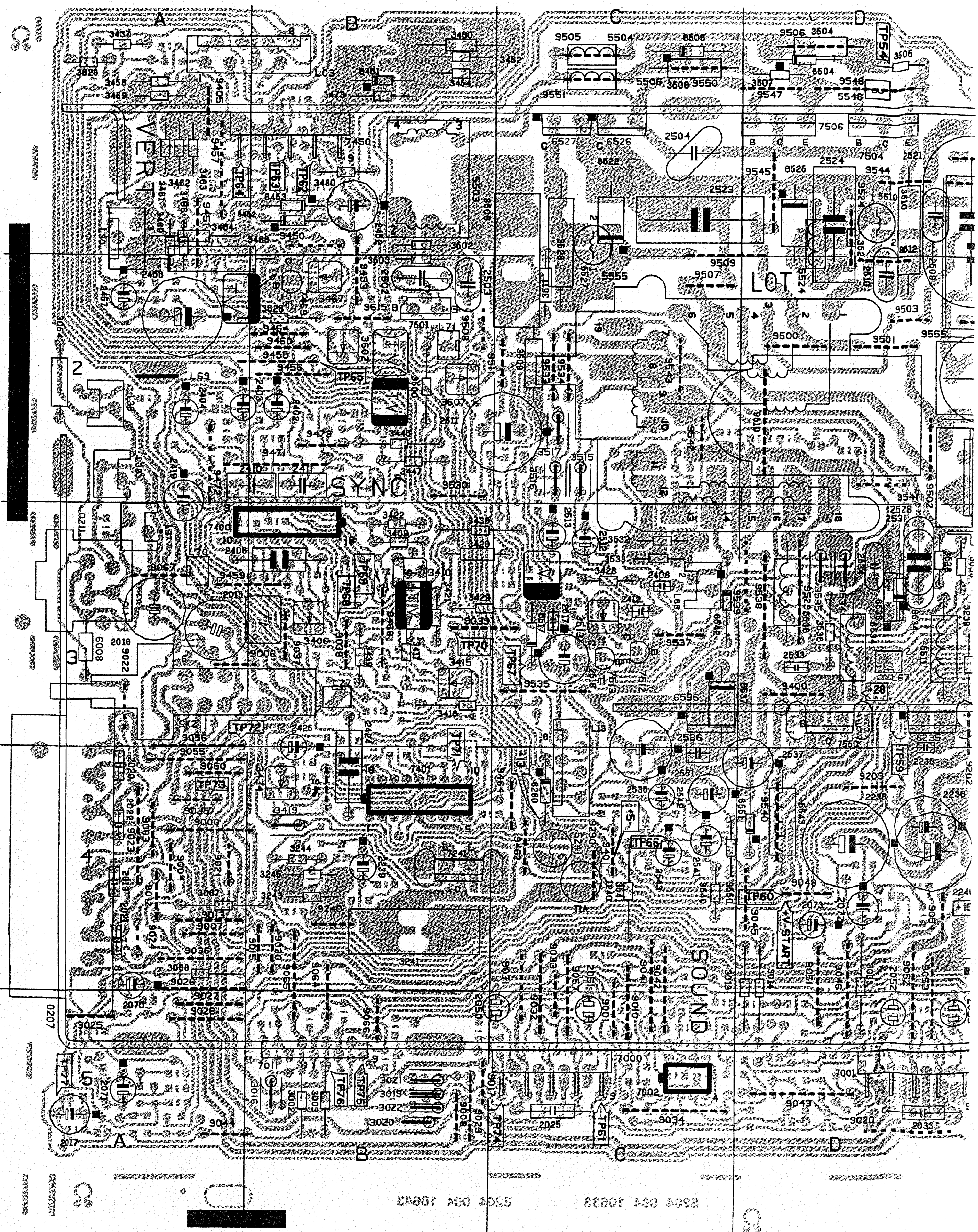
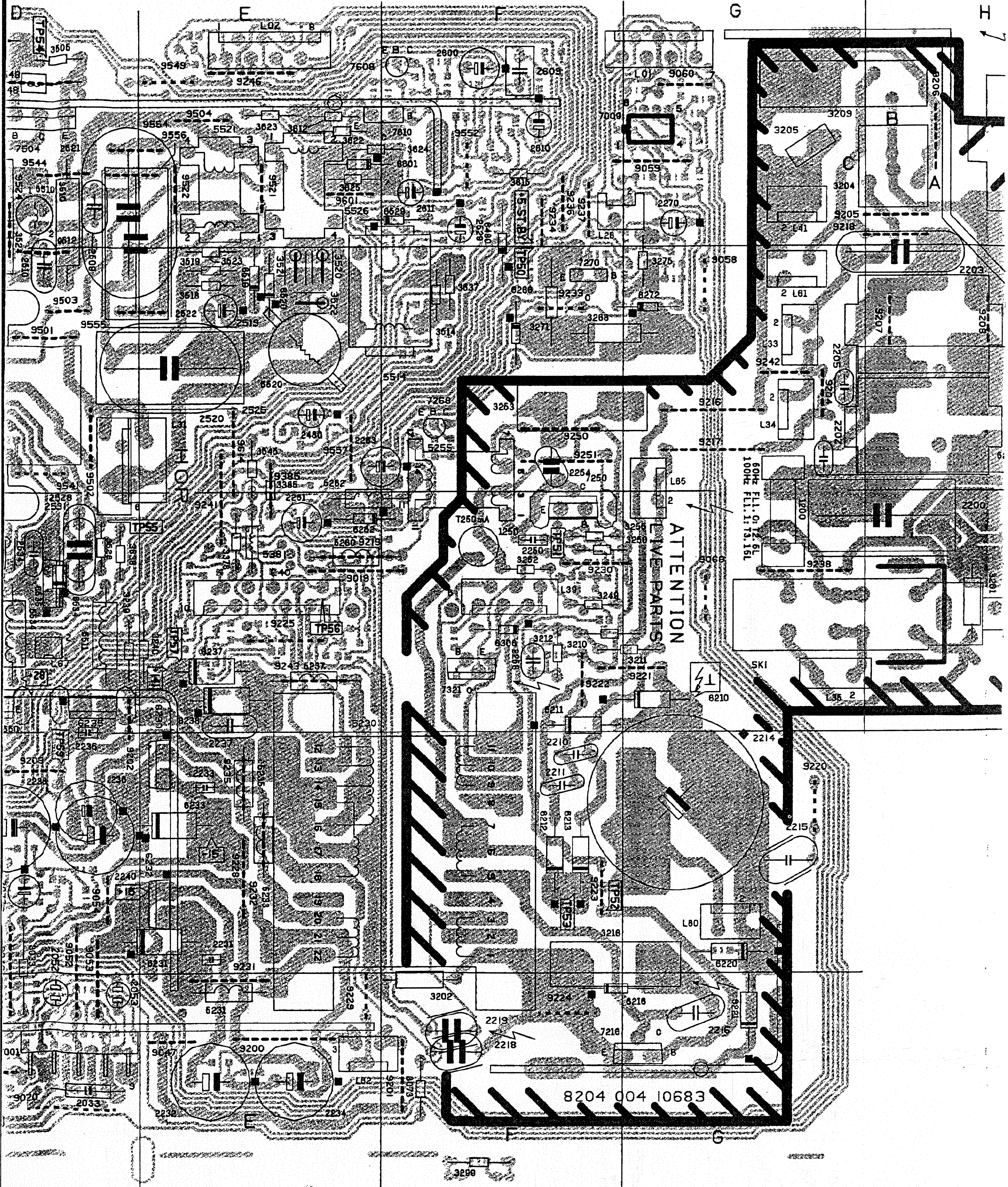
Large signal panel Groß-signal Platine


A
B
C
D
1
2
3
4
5
VERT
SYNC
LOT
SOUND
V-START
TP54
TP55
TP59
TP60
TP61
TP62
TP63
TP64
TP65
TP66
TP67
TP68
TP69
TP70
TP71
TP72
TP73
TP74
TP75
TP76
TP77
7400
7401
7450
7501
7504
7506
7550
7000
7001
7002
7011
5555
5504
5506
9505
9506
9545
9544
9509
9507
9500
9501
9503
9555
9541
9502
9400
9535
9537
9530
9034
9043
9044
9020
2504
2523
2524
2025
2033
2017
3241
3244
3243
3246
9240

Platine forts signeaux


D
E
F
G
H
L02
L01
TP54
TP55
TP56
TP57
TP50
TP51
TP52
TP53
15 ST.BY
HOR
ATTENTION
LIVE PARTS
60Hz FL1.0: T2.6L
100Hz FL1.1: T3.16L
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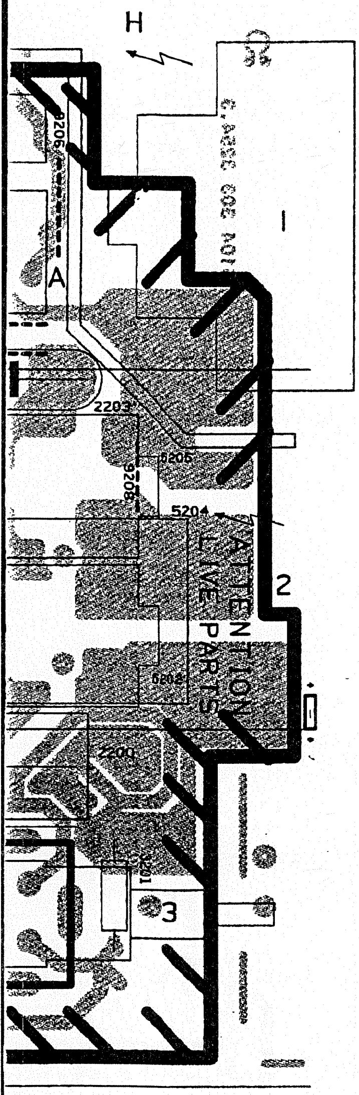

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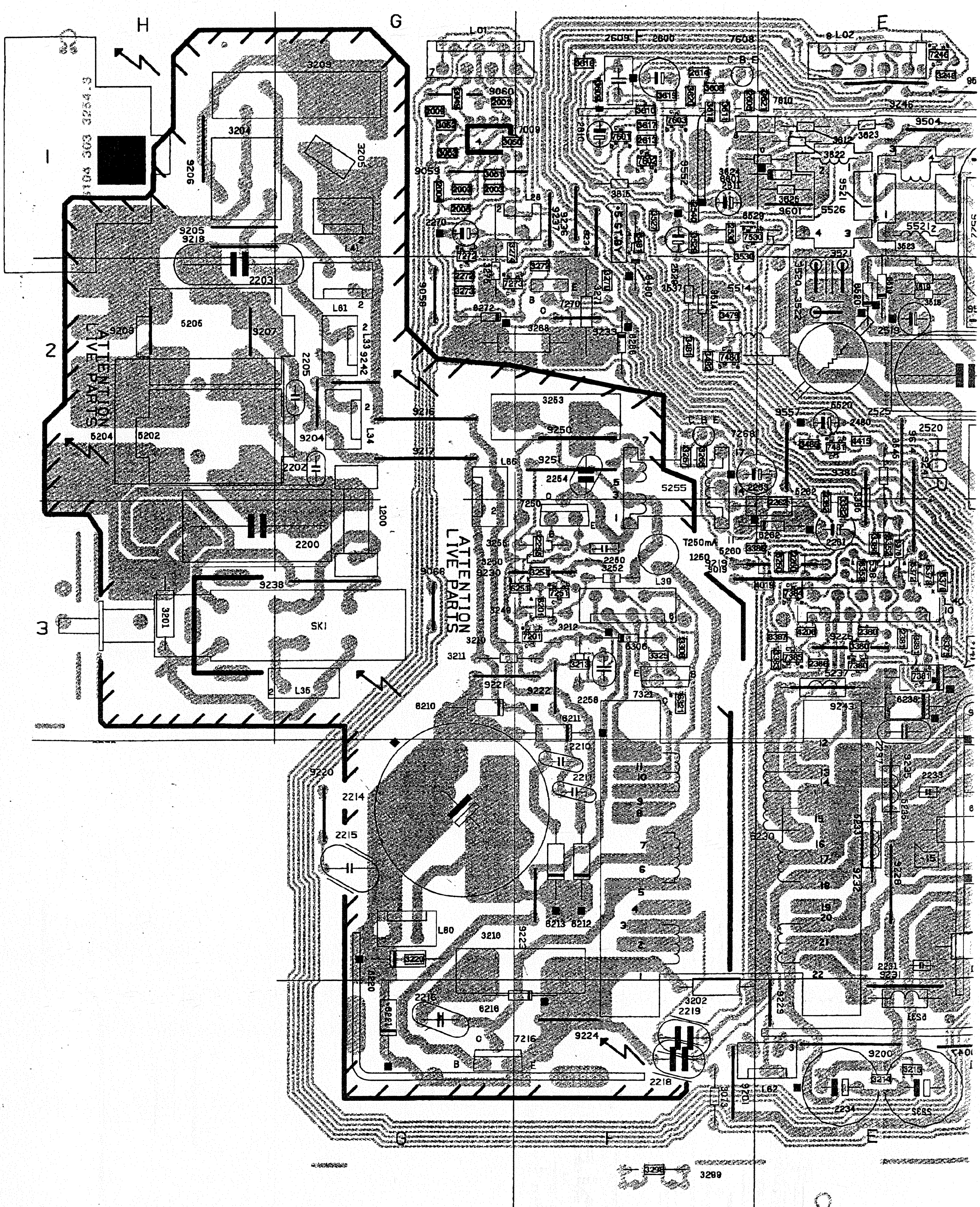
Large signal panel Groß-s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ATTENTION LIVE PARTS
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L35
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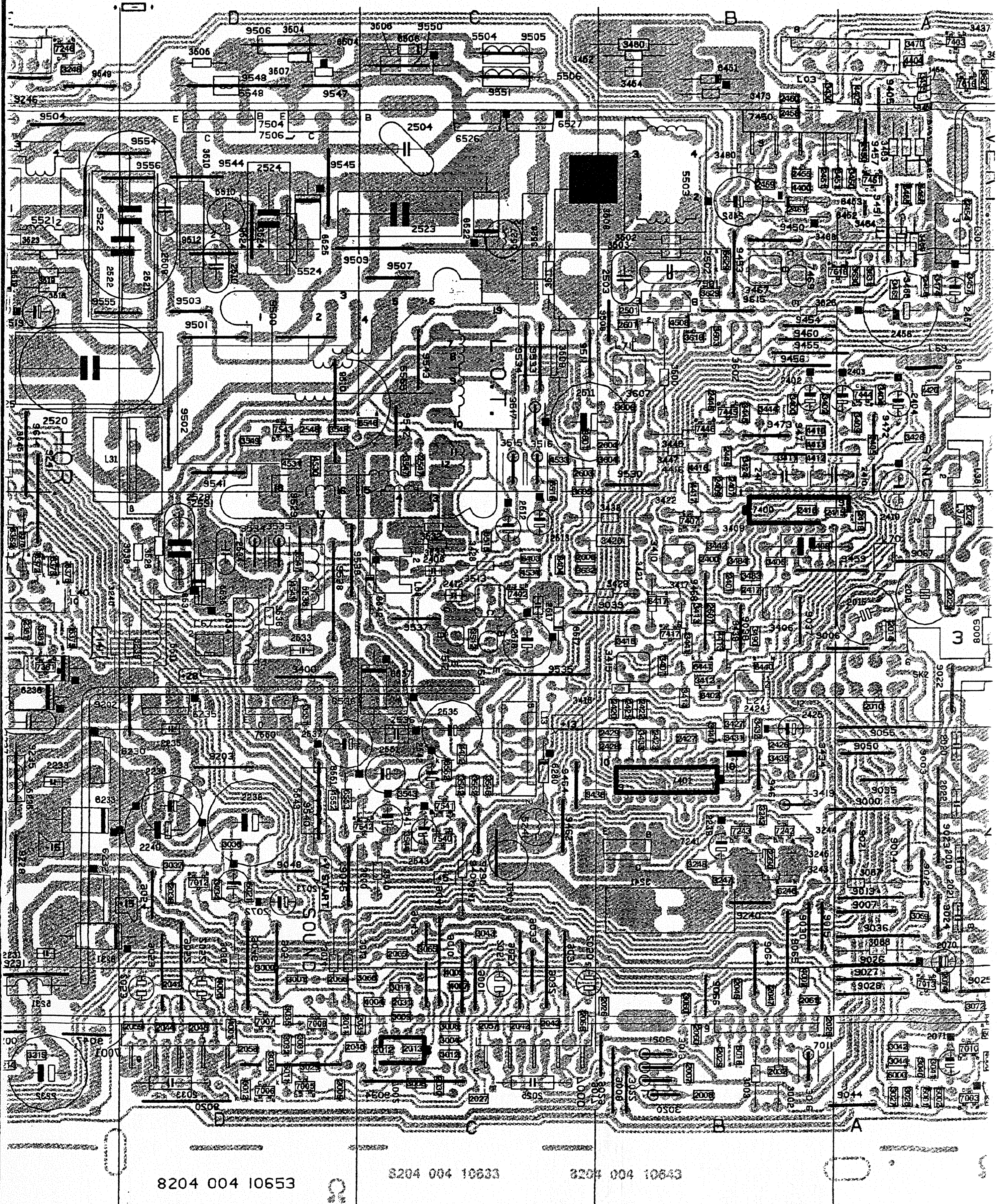
Groß-signal Platine Platine forts signeaux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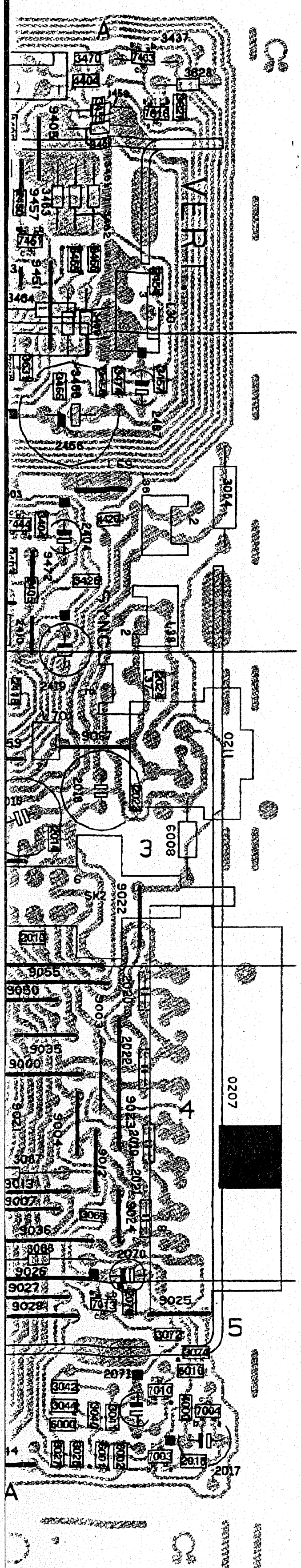

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5205	H2
5230	F4
5231	E5
5233	E4
5235	E4
5237	E3
5241	C4
5255	F3
5260	E3
5262	E3
5308	H5
5310	H5
5381	E3
5503	B1
5504	C1
5506	C1
5510	D1
5511	D3
5514	F2
5520	E2
5521	E1
5524	D1
5526	E1
5527	C2
5534	D3
5536	D3
5543	D4
5548	D1
5555	D3
6000	A5
6001	A5
6002	A5
6008	A3
6010	A5
6011	D5
6012	D5
6016	B5
6021	D4
6201	F3
6210	G3
6211	F3
6212	F4
6213	F4
6216	F5
6220	G4
6221	G5
6230	E4
6231	E4
6232	E4
6233	E4
6235	D3
6237	E3
6238	E3
6246	B4
6251	F3
6260	E3
6262	E3
6266	F2
6272	G2
6280	C4
6302	H5
6303	H5
6304	H5
6306	F3
6308	H5
6312	H5
6315	H5
6318	H5
6319	H5
6321	F3
6331	H4
6349	H4
6350	H4
6351	H4
6352	E3
6353	E3
6355	H4
6356	H4
6357	H4
6370	H4
6371	H4
6372	E3
6373	E3
6375	E3
6376	E3
6402	B3
6403	C3
6404	C3
6417	B3
6440	B3
6441	B3
6451	B1
6452	B1
6453	B1
6465	A1
6466	A1
6480	F1
6481	F1
6504	D1
6506	C1
6515	C3
6516	C2
6517	C3
6519	E2
6520	E2
6522	C1
6525	D1
6526	C1
6527	C1
6529	F1
6534	D3
6535	D3
6536	C3
6537	C3
6542	C3
6546	C2
6547	D3
6551	D4
6552	C4
6553	D4
6601	E1
6629	B2
7000	C5
7001	D5
7002	C5
7003	A5
7004	A5
7005	D5
7006	D5
7007	D5
7008	D5
7009	G1
7010	A5
7011	B5
7012	D4
7013	A5
7201	F3
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7241	B4
7242	B4
7243	B4
7246	E1
7250	F3
7251	F3
7268	F2
7270	F2
7272	G1
7273	G2
7305	H5
7311	H5
7312	H5
7318	H5
7320	H4
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7360	H4
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7370	H4
7371	H4
7380	E3
7381	E3
7384	E3
7385	E3
7400	B3
7401	B4
7402	C3
7403	A1
7407	B3
7417	B3
7444	A2
7445	B2
7446	B2
7450	A1
7451	A1
7469	B2
7480	F2
7481	E2
7501	B2
7504	D1
7506	D1
7512	C3
7513	C3
7530	F1
7540	C4
7541	C4
7542	C4
7543	D2
7550	D3
7601	F1
7602	F1
7603	F1
7608	F1
7610	E1
7616	A1
7618	A2
9000	A4
9001	C5
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9004	A4
9006	A3
9007	A4
9008	B5
9010	C5
9012	A4
9013	A4
9015	B4
9017	B5
9019	E3
9020	D5
9021	A4
9022	A3
9023	A4
9024	A4
9025	A5
9026	A4
9027	A5
9028	A5
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9035	A4
9036	A4
9037	B3
9038	B3
9039	B3
9041	C4
9042	C4
9043	D5
9044	A5
9045	D4
9046	D4
9047	E5
9048	D4
9050	A4
9051	D4
9052	D4
9053	D5
9054	D4
9055	A4
9056	A3
9057	C5
9058	G2
9059	G1
9060	G1
9064	B5
9065	B4
9066	B5
9067	A3
9068	G3
9200	E5
9201	F5
9202	D3
9203	D4
9204	G2
9205	H1
9206	H1
9207	H2
9208	H2
9216	G2
9217	G2
9218	H1
9219	E3
9220	G4
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9223	F4
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9302	H4
9385	E2
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9401	C4
9405	A1
9450	B1
9451	A1
9453	B2
9454	B2
9455	B2
9456	B2
9457	A1
9459	B3
9460	B2
9461	B4
9462	C4
9464	C4
9468	B3
9471	B2
9472	A2
9473	B2
9500	D2
9501	D2
9502	D2
9503	D2
9504	E1
9505	C1
9506	D1
9507	C2
9508	B2
9509	C1
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9521	E1
9522	E1
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9538	D3
9539	D3
9540	D4
9541	D2
9542	C2
9543	C2
9544	D1
9545	D1
9547	D1
9548	D1
9549	E1
9550	C1
9551	C1
9552	F1
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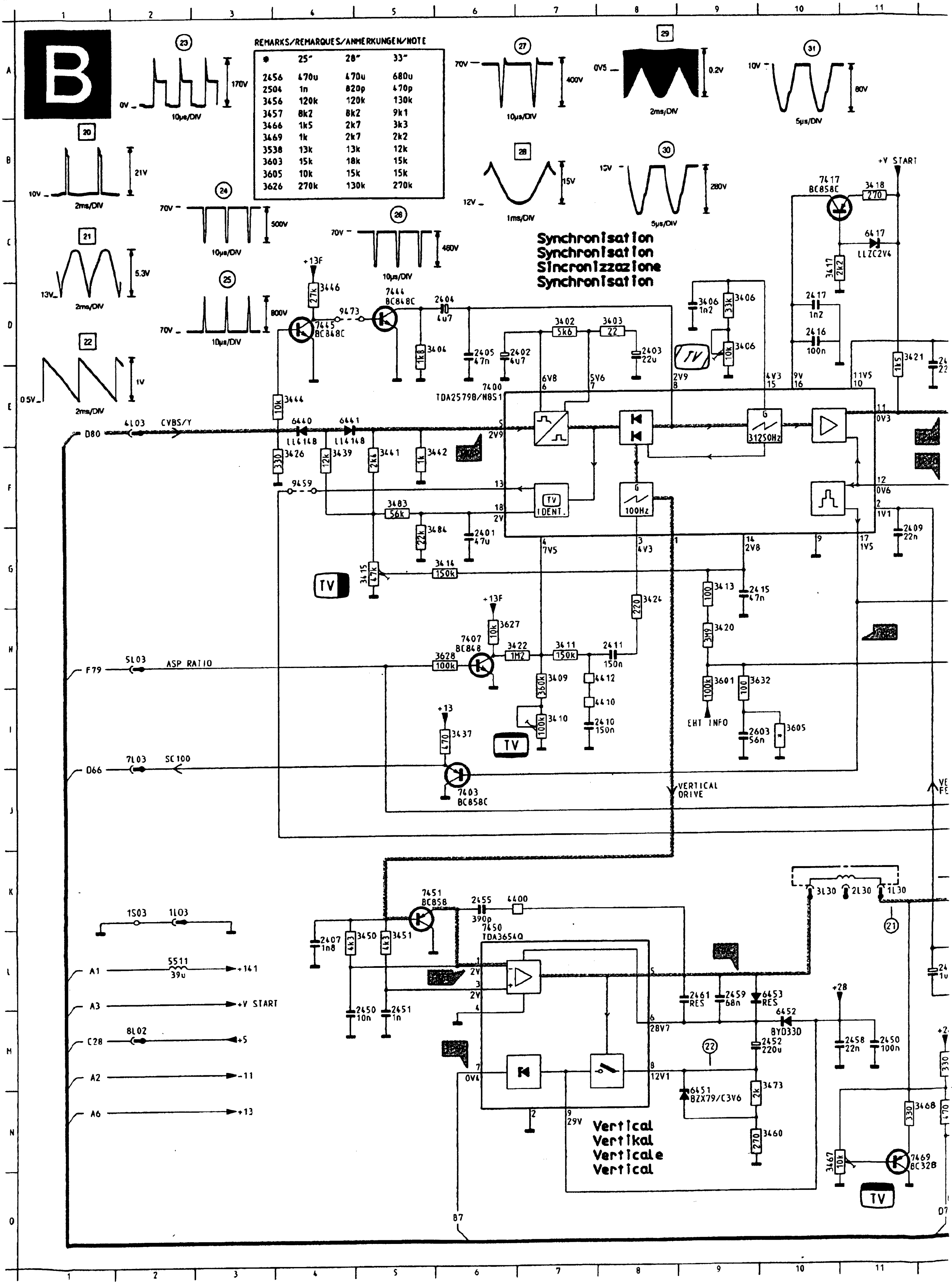
9556	D1
9557	E2
9601	E1
9614	E2
9615	B2

Synchronization

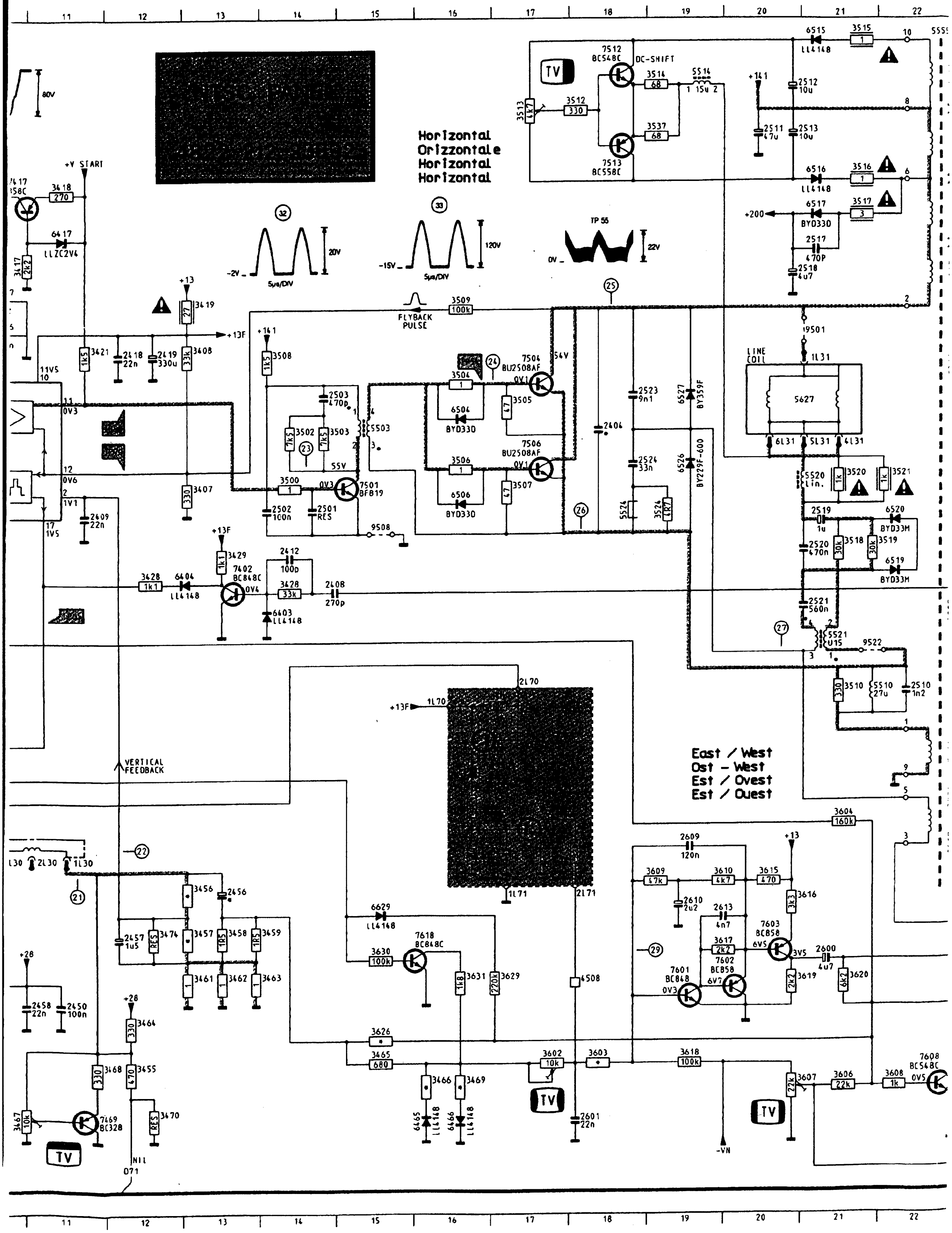
Synchronisierung

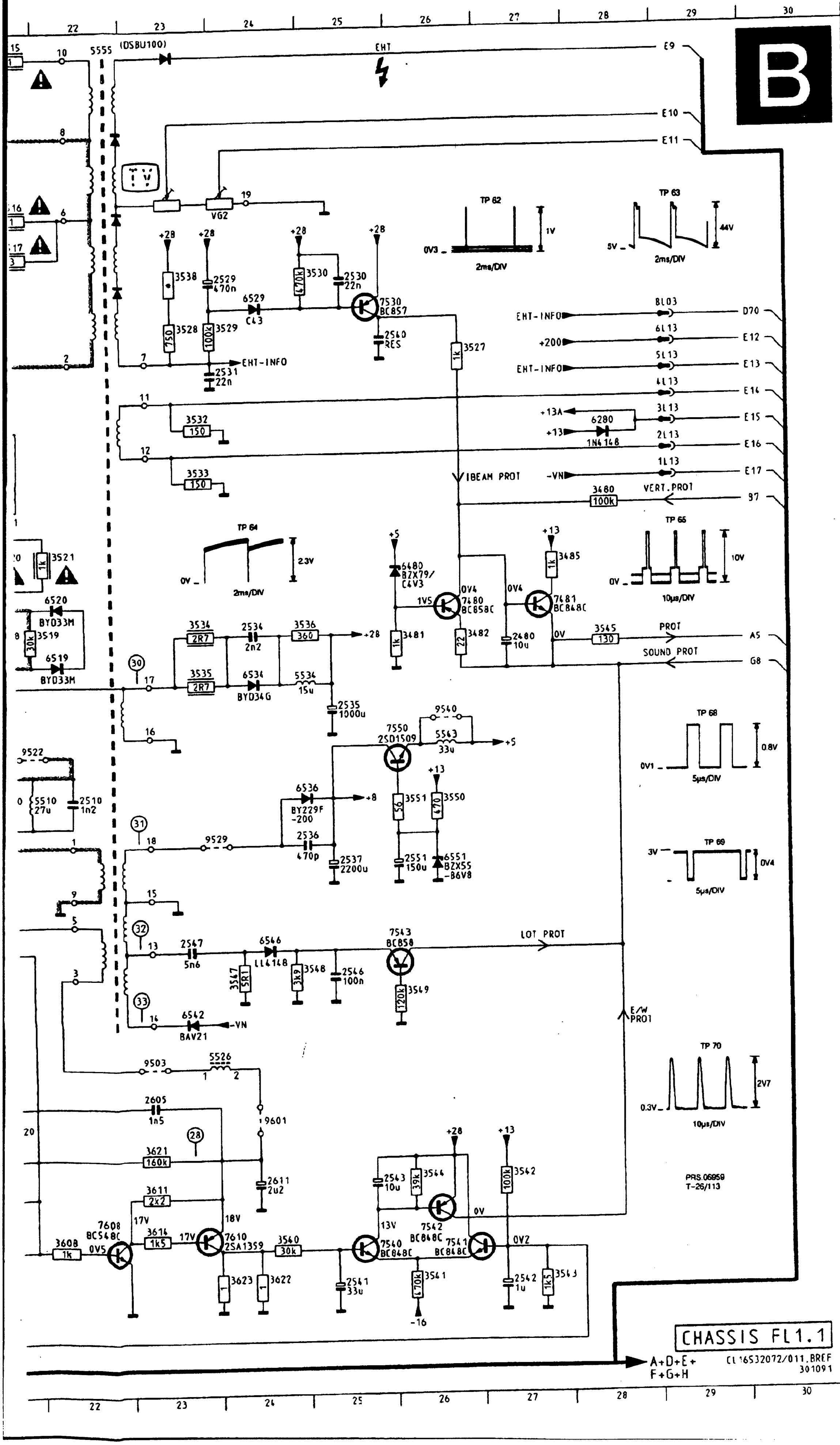

B
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
Vertical
Vertikal
Verticale
Vertical
7400 TDA2579B/N8S1
31250Hz
100Hz
TV IDENT.
7450 TDA3654Q
7417 BC858C
7445 BC848C
7444 BC848C
7407 BC848
7403 BC858C
7451 BC858
7469 BC328
6440 LL4148
6441 LL4148
6417 LLZC2V4
6451 BZX79/C3V6
6452 BYD33D
6453 RES
4L03 CVBS/Y D80
5L03 ASP RATIO F79
7L03 SC100 D66
VERTICAL DRIVE
EHT INFO
+V START
+13F
+13
+28
1S03
1L03
A1 5511 39u +141
A3 +V START
C28 8L02 +5
A2 -11
A6 +13
3L30 2L30 1L30
87
D7
TV

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

*	25"	28"	33"
2456	470u	470u	680u
2504	1n	820p	470p
3456	120k	120k	130k
3457	8k2	8k2	9k1
3466	1k5	2k7	3k3
3469	1k	2k7	2k2
3538	13k	13k	12k
3603	15k	18k	15k
3605	10k	15k	15k
3626	270k	130k	270k

Synchronisation


Horizontal
Orizzontale
Horizontal
Horizontal
East / West
Ost - West
Est / Ovest
Est / Ouest
DC-SHIFT
7512 BC548C
7513 BC558C
3513 4k7
3512 330
3514 68
3537 68
5514 15u
6515 LL4148
3515 1
6516 LL4148
3516 1
6517 BYD330
3517 3
2512 10u
2511 47u
2513 10u
2517 470P
2518 4u7
+141
+200
LINE COIL
1L31
5627
6L31
5L31
4L31
9501
5520 Lin.
3520 1k
3521 1k
2519 1u
6520 BYD33M
3518 30k
3519 30k
2520 470n
6519 BYD33M
2521 560n
5521 U15
9522
3510 330
5510 27u
2510 1n2
+V START
3418 270
6417 LLZC2V4
3417 2k2
80V
20V
-2V
5µs/DIV
120V
-15V
TP 55
22V
0V
+13
3419 27
+13F
3509 100k
FLYBACK PULSE
3421 1k5
2418 22n
2419 330u
3408 33k
+141
3508 1k5
2503 470p
3502 7k5
3503 7k5
5503
55V
3504 1
6504 BYD330
3505 47
7504 BU2508AF
54V
0V1
7506 BU2508AF
3506 1
6506 BYD330
3507 47
2523 9n1
2404
2524 33n
5524
3524 4R7
6527 BY359F
6526 BY229F-600
11VS
0V3
0V6
1V1
1VS
3407 330
3500 1
7501 BF819
2502 100n
2501 RES
9508
2409 22n
3429 1k1
7402 BC848C
0V4
3428 1k1
6404 LL4148
2412 100p
3428 33k
2408 270p
6403 LL4148
2L70
1L70
1L71
2L71
VERTICAL FEEDBACK
1L30
2L30
3456
2456
2457 1u5
3474 RES
3457
3458 1R5
3459 1R5
3461 1
3462 1
3463 1
+28
2458 22n
2450 100n
3464 330
3468 330
3455 470
3467 10k
7469 BC328
3470 RES
N11
071
6629 LL4148
3630 100k
7618 BC848C
3631 1k8
3629 220k
3626
3465 680
3466
3469
6465 LL4148
6466 LL4148
3602 10k
3603
4508
2601 22n
3618 100k
-VN
3604 160k
2609 120n
3609 47k
3610 4k7
3615 470
3616 3k3
2610 2u2
2613 4n7
3617 2k2
7603 BC858
6VS
3VS
2600 4u7
3619 2k2
3620 6k2
7601 BC848
7602 BC858
6V7
3607 22k
3606 22k
3608 1k
7608 BC548C
0VS
11 12 13 14 15 16 17 18 19 20 21 22


22
23
24
25
26
27
28
29
30
B
5555
(DSBU100)
EHT
E9
E10
E11
TP 62
1V
0V3
2ms/DIV
TP 63
44V
5V
2ms/DIV
VG2
19
+28
3538
3528
750
2529
470n
3529
100k
6529
C43
2531
22n
EHT-INFO
3530
470k
2530
22n
7530
BC857
2540
RES
3527
1k
BL03
D70
EHT-INFO
6L13
+200
E12
5L13
EHT-INFO
E13
4L13
E14
3L13
+13A
6280
E15
+13
1N4148
2L13
E16
1L13
-VN
E17
3480
100k
VERT. PROT
S7
IBEAM PROT
3532
150
3533
150
11
12
TP 64
2.3V
0V
2ms/DIV
+5
6480
BZX79/
C4V3
1V5
0V4
7480
BC858C
0V4
7481
BC848C
+13
3485
1k
TP 65
10V
0V
10µs/DIV
3521
1k
6520
BYD33M
3519
30k
6519
BYD33M
3534
2R7
2534
2n2
3536
360
+28
3481
1k
3482
22
2480
10u
0V
3545
130
PROT
A5
SOUND PROT
G8
30
17
3535
2R7
6534
BYD34G
5534
15u
2535
1000u
16
9540
7550
2SD1509
5543
33u
+5
TP 68
0.8V
0V1
5µs/DIV
9522
5510
27u
2510
1n2
6536
BY229F
-200
+8
+13
3551
56
3550
470
31
18
9529
2536
470p
2537
2200u
2551
150u
6551
BZX55
-B6V8
TP 69
3V
0V4
5µs/DIV
15
9
5
32
13
2547
5n6
6546
LL4148
3547
5R1
3548
3k9
2546
100n
7543
BC858
3549
120k
LOT PROT
3
33
14
6542
BAV21
-VN
E/W
PROT
TP 70
2V7
0.3V
10µs/DIV
9503
5526
1
2
2605
1n5
9601
20
28
3621
160k
2611
2u2
3611
2k2
+28
+13
2543
10u
3544
39k
3542
100k
PRS.06959
T-26/113
0V
7542
BC848C
7608
BC548C
0V5
3608
1k
17V
3614
1k5
17V
7610
2SA1359
18V
3540
30k
13V
7540
BC848C
7541
BC848C
0V2
3623
3622
2541
33u
3541
470k
-16
2542
1u
3543
1k5
CHASSIS FL1.1
A+D+E+
F+G+H
CL 16532072/011.BREF
301091

2401	G 6	3480	F28	6526	F19
2402	D 6	3481	G26	6527	E19
2403	D 8	3482	G26	6529	C24
2404	D 6	3483	F 5	6534	H24
2404	F18	3484	G 5	6536	I25
2405	D 6	3485	F27	6542	K23
2407	L 4	3500	F14	6546	K24
2408	H14	3502	F14	6551	J26
2409	G11	3503	F14	6629	L15
2410	I 7	3504	E16	6650	J16
2411	H 8	3505	E17	7400	E 6
2412	G14	3506	F16	7402	G13
2415	G 9	3507	F17	7403	J 6
2416	D10	3508	E14	7407	H 6
2417	D10	3509	C16	7417	B10
2418	E12	3510	I21	7444	D 5
2419	E12	3512	A18	7445	D 4
2450	M11	3513	B17	7450	L 6
2450	M 5	3514	A19	7451	K 5
2451	M 5	3515	A21	7469	N11
2452	M10	3516	B21	7480	G26
2455	K 6	3517	C21	7481	G27
2456	L13	3518	G21	7501	F15
2457	L12	3519	G21	7504	E17
2458	M11	3520	F21	7506	F17
2459	L 9	3521	F22	7512	A18
2461	L 9	3524	G19	7513	B18
2480	G27	3527	D26	7530	C25
2501	G14	3528	D23	7540	N25
2502	G14	3529	D24	7541	N26
2503	E14	3530	C25	7542	N26
2510	I22	3532	E23	7543	K26
2511	B20	3533	E23	7550	H26
2512	A20	3534	G23	7601	M19
2513	B20	3535	H23	7602	M20
2517	C21	3536	G25	7603	L20
2518	D20	3537	B19	7608	N22
2519	G21	3538	C23	7610	N24
2520	G21	3540	N24	7618	L16
2521	H21	3541	N26	7650	J16
2523	E18	3542	M27	7651	J17
2524	F18	3543	N27	9459	F 4
2529	C24	3544	M26	9473	D 4
2530	C25	3545	G28	9501	D21
2531	D24	3547	K24	9503	L23
2534	G24	3548	K24	9508	G15
2535	H25	3549	K26	9522	H21
2536	I25	3550	I26	9529	I23
2537	J25	3551	I26	9540	H26
2540	D25	3601	H 9	9601	M24
2541	N25	3602	N17		
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2543	M25	3604	K21		
2546	K25	3605	I10		
2547	K23	3606	N21		
2551	J26	3607	N20		
2600	L21	3608	N22		
2601	N18	3609	K19		
2603	I 9	3610	K20		
2605	L23	3611	M23		
2609	K19	3614	N23		
2610	L19	3615	K20		
2611	M24	3616	L20		
2613	L20	3617	L20		
2653	K17	3618	N19		
3402	O 7	3619	M20		
3403	O 8	3620	M21		
3404	O 5	3621	M23		
3406	D 9	3622	N24		
3406	D 9	3623	N24		
3406	D 9	3626	M15		
3407	F13	3627	H 6		
3408	D13	3628	H 6		
3409	H 7	3629	M17		
3410	I 7	3630	L15		
3411	H 7	3631	M16		
3413	G 9	3632	H 9		
3414	G 6	3650	I17		
3415	G 5	3651	J16		
3417	C10	3652	K18		
3418	B11	3653	K16		
3419	D13	4400	K 7		
3420	H 9	4410	I 7		
3421	D11	4412	H 7		
3422	H 7	4508	M18		
3424	G 8	5503	F15		
3426	F 4	5510	I21		
3428	G12	5511	L 2		
3428	H14	5514	A19		
3429	G13	5520	F21		
3437	I 6	5521	H21		
3439	F 4	5524	G18		
3441	F 5	5526	L23		
3442	F 5	5534	H25		
3444	E 4	5543	H26		
3446	D 4	5555	A22		
3450	L 5	5627	E21		
3451	L 5	6280	E28		
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3459	L14	6441	E 4		
3460	N10	6451	N 9		
3461	M13	6452	M10		
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3464	M12	6466	N16		
3465	N15	6480	F26		
3466	N16	6504	E16		
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3468	N11	6515	A21		
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3470	N12	6517	C21		
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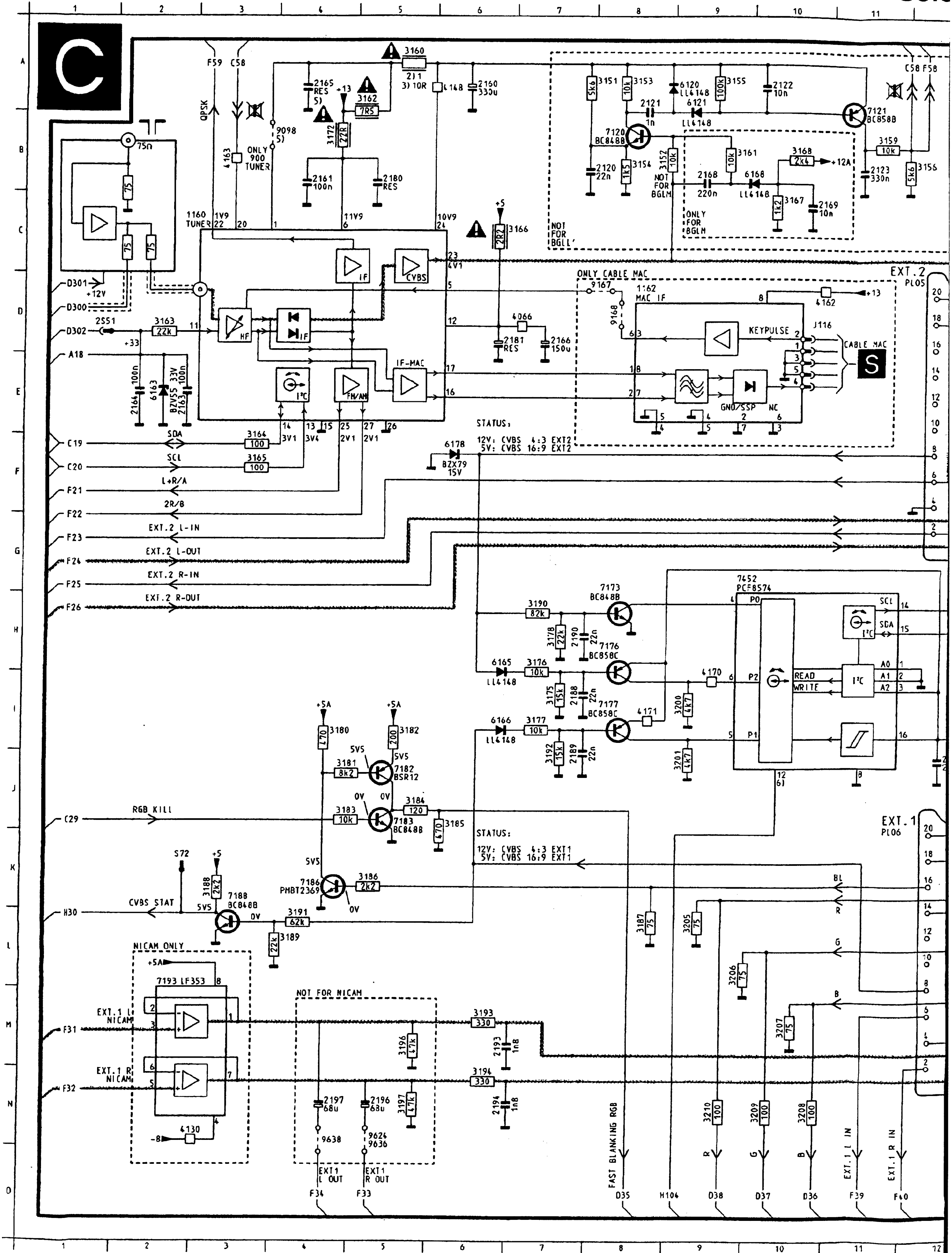
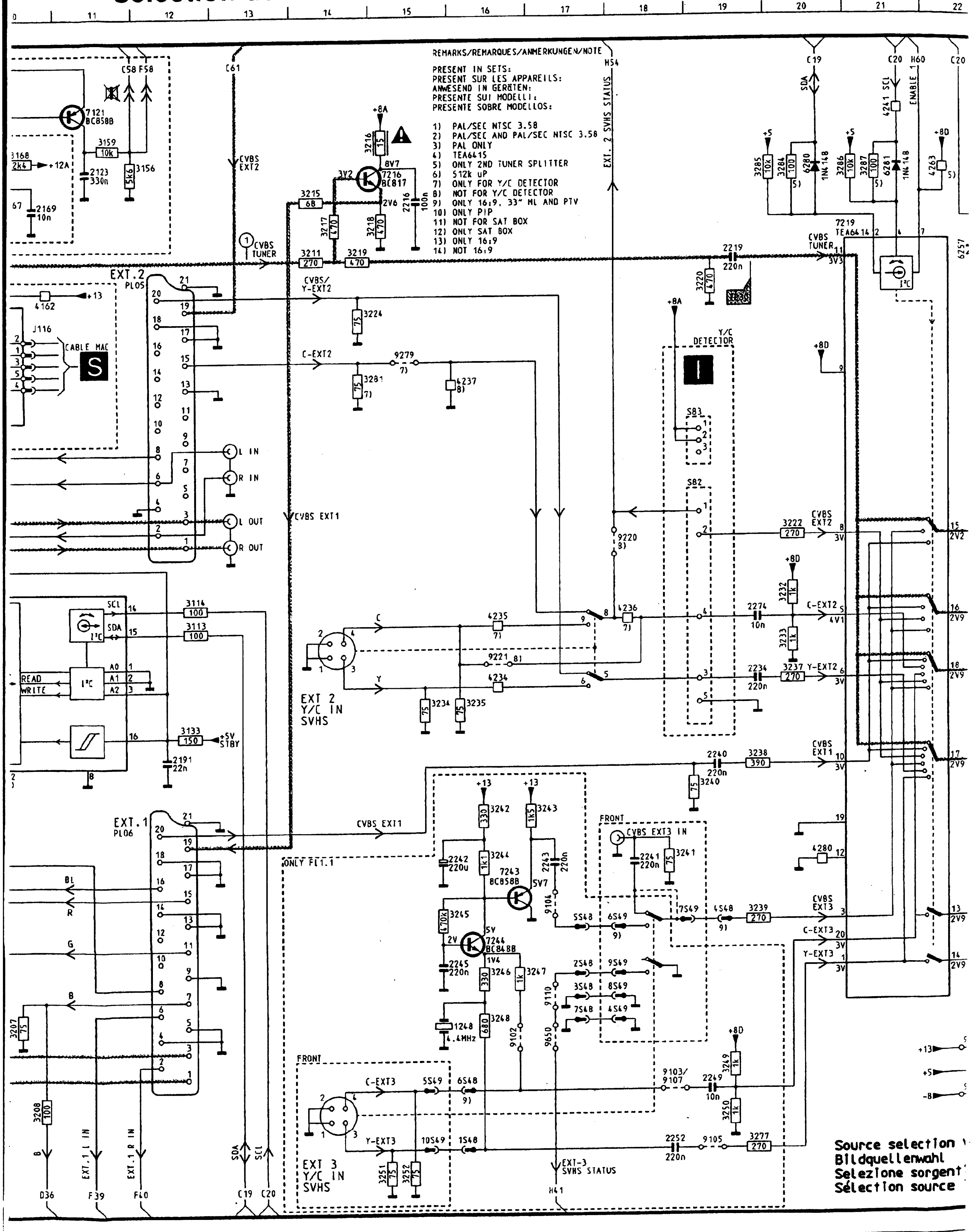
6.13 CHASSIS FL1.1 Source selection / Quellenwahl / Séle


C
S
F59
C58
QPSK
3160
2)1
3) 10R
4148
2160
330u
2165
RES
5)
+13
3162
7R5
3172
22R
9098
5)
4163
ONLY
900
TUNER
2161
100n
2180
RES
75Ω
75
1160
TUNER
1V9
22
20
1
11V9
6
10V9
24
IF
CVBS
23
4V1
5
12
17
16
HF
IF-MAC
FM/AM
I²C
+5
2R2
3166
4066
2181
RES
2166
150u
D301
+12V
D300
D302
2551
3163
22k
11
+33
A18
2164
100n
6163
BZV55
33V
2163
100n
14
3V1
13
3V4
15
25
2V1
27
2V1
26
C19
SDA
3164
100
C20
SCL
3165
100
F21
L+R/A
F22
2R/B
F23
EXT.2 L-IN
F24
EXT.2 L-OUT
F25
EXT.2 R-IN
F26
EXT.2 R-OUT
STATUS:
12V: CVBS 4:3 EXT2
5V: CVBS 16:9 EXT2
6178
BZX79
15V
3151
5k6
3153
10k
6120
LL4148
3155
100k
2122
10n
2121
1n
6121
LL4148
7121
BC858B
7120
BC848B
2120
22n
3154
1k5
3152
10k
NOT
FOR
BGLM
3161
10k
3168
2k4
+12A
2168
220n
6168
LL4148
3167
1k2
2169
10n
ONLY
FOR
BGLM
NOT
FOR
BGLL'
2123
330n
3159
10k
3156
5k6
C58 F58
ONLY CABLE MAC
9167
1162
MAC IF
9168
8
4162
+13
3
KEYPULSE
2
J116
CABLE MAC
1
3
5
4
7
GND/SSP
NC
6
EXT.2
PL05
20
18
16
14
12
10
8
6
4
2
7173
BC848B
3190
82k
3178
22k
2190
22n
7176
BC858C
6165
LL4148
3176
10k
3175
15k
2188
22n
7177
BC858C
4171
3200
4k7
4170
6166
LL4148
3177
10k
3192
15k
2189
22n
3201
4k7
7452
PCF8574
P0
SCL
14
SDA
15
A0
A1
A2
READ
WRITE
P2
P1
12
6)
+5A
3180
470
3182
200
3181
8k2
5V5
7182
BSR12
0V
3183
10k
7183
BC848B
3184
120
3185
470
STATUS:
12V: CVBS 4:3 EXT1
5V: CVBS 16:9 EXT1
C29
RGB KILL
S72
3188
2k2
7186
PHBT2369
3186
2k2
7188
BC848B
H30
CVBS STAT
3191
62k
3189
22k
NICAM ONLY
+5A
7193 LF353
EXT.1 L NICAM
F31
EXT.1 R NICAM
F32
4130
-8
NOT FOR NICAM
3193
330
2193
1n8
3194
330
2194
1n8
3196
47k
3197
47k
2197
68u
2196
68u
9638
9624
9636
EXT1 L OUT
EXT1 R OUT
F34
F33
EXT.1
PL06
BL
R
G
B
3187
75
3205
75
3206
75
3207
75
3210
100
3209
100
3208
100
FAST BLANKING RGB
D35
H104
D38
D37
D36
EXT.1 L IN
F39
EXT.1 R IN
F40
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11
12

Sélection de source

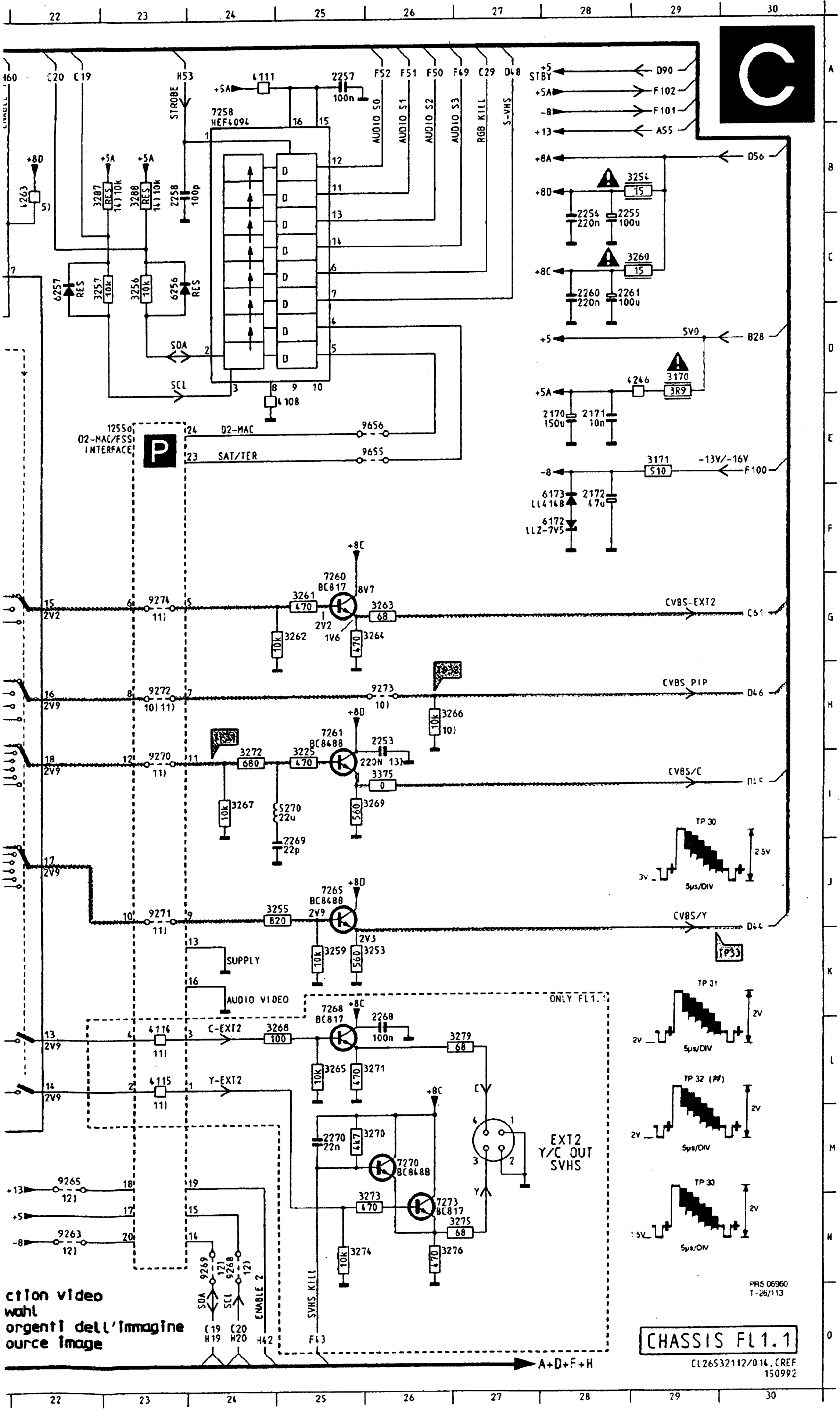

EXT.2
PL05
EXT.1
PL06
EXT 2
Y/C IN
SVHS
EXT 3
Y/C IN
SVHS
FRONT
ONLY FL1.1
Y/C DETECTOR
SB3
SB2
7219
TEA6414
7216
BC817
7121
BC858B
7243
BC858B
7244
BC848B
CVBS TUNER
CVBS EXT2
CVBS EXT1
CVBS/Y-EXT2
C-EXT2
Y-EXT2
CVBS EXT3 IN
CVBS EXT3
C-EXT3
Y-EXT3
EXT. 2 SVHS STATUS
EXT-3 SVHS STATUS
CABLE MAC
J116
L IN
R IN
L OUT
R OUT
SCL
SDA
READ
WRITE
I²C
A0
A1
A2
+5V STBY
4.4MHz
+8A
+8D
+13
+5
-8
H54
H41
H60
C19
C20
C58
F58
C61
D36
F39
F40
EXT.1 L IN
EXT.1 R IN
ENABLE 1
BL
R
G
B

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL/SEC NTSC 3.58
2) PAL/SEC AND PAL/SEC NTSC 3.58
3) PAL ONLY
4) TEA6415
5) ONLY 2ND TUNER SPLITTER
6) 512k uP
7) ONLY FOR Y/C DETECTOR
8) NOT FOR Y/C DETECTOR
9) ONLY 16:9, 33" ML AND PTV
10) ONLY PIP
11) NOT FOR SAT BOX
12) ONLY SAT BOX
13) ONLY 16:9
14) NOT 16:9

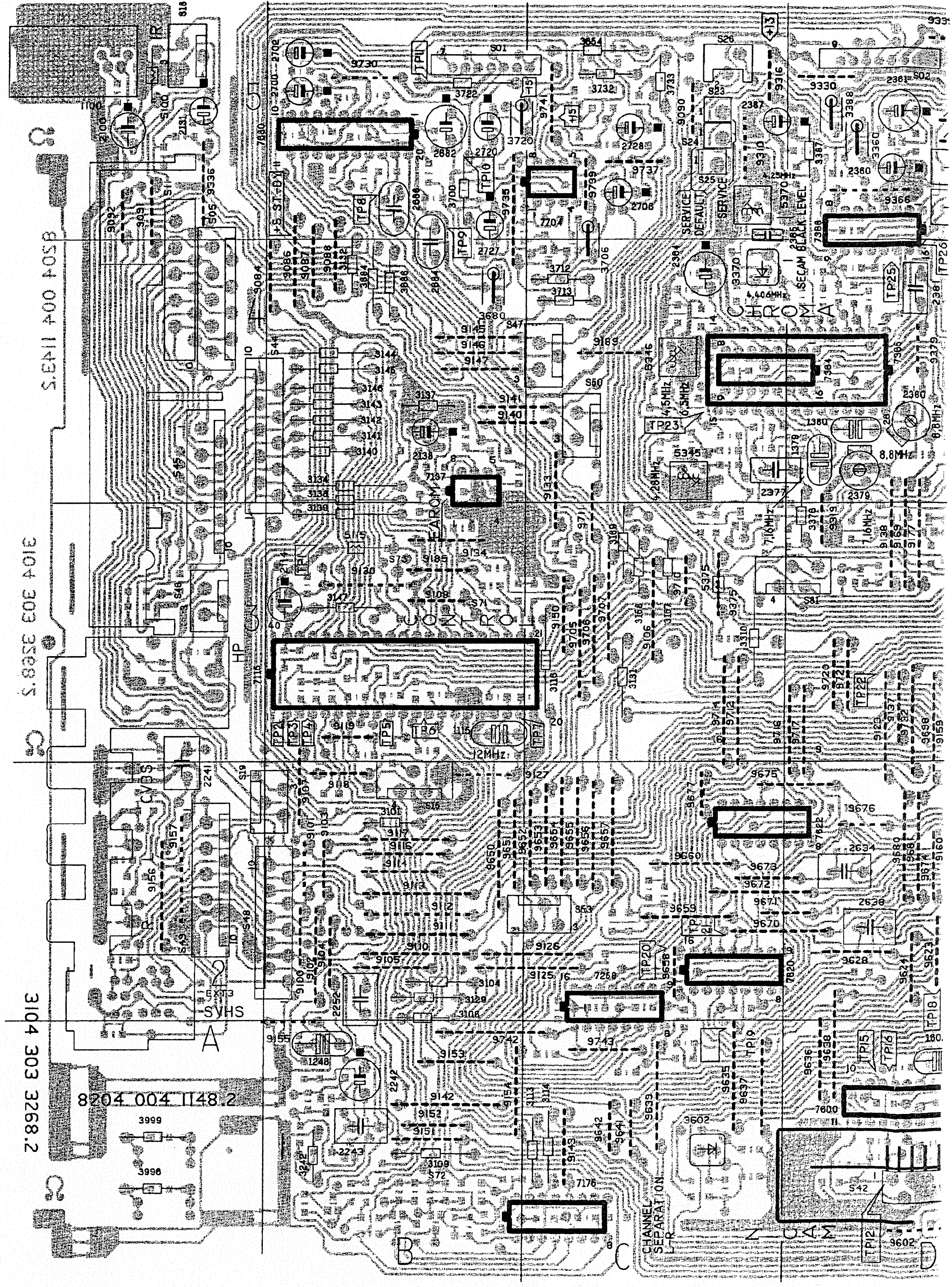
Source selection
Bildquellenwahl
Selezione sorgent
Sélection source


22
23
24
25
26
27
28
29
30
C
STROBE
H53
+5A
4111
2257
100n
7258
HEF4094
16
15
F52
F51
F50
F49
C29
D48
AUDIO S0
AUDIO S1
AUDIO S2
AUDIO S3
RGB KILL
S-VHS
C20
C19
+8D
4263
+5A
3287
RES
14) 10k
3288
RES
14) 10k
2258
100p
6257
RES
3257
10k
3256
10k
6256
RES
SDA
SCL
1
2
3
8
9
10
12
11
13
14
6
7
4
5
D
4108
1255a
D2-MAC/FSS
INTERFACE
P
24
D2-MAC
9656
23
SAT/TER
9655
+5
STBY
+5A
-8
+13
D90
F102
F101
A55
+8A
D56
+8D
3254
15
2254
220n
2255
100u
+8C
3260
15
2260
220n
2261
100u
+5
5V0
B28
+5A
4246
3170
3R9
2170
150u
2171
10n
3171
510
-13V/-16V
F100
6173
LL4148
6172
LLZ-7V5
2172
47u
+8C
7260
BC817
8V7
15
2V2
6
9274
11)
5
3261
470
3262
10k
2V2
1V6
3263
68
3264
470
CVBS-EXT2
C51
16
2V9
8
9272
10) 11)
7
9273
10)
3266
10k
10)
CVBS PIP
D46
18
2V9
12
9270
11)
11
3272
680
3267
10k
5270
22u
2269
22p
7261
BC848B
3225
470
2253
220N
13)
3375
0
3269
560
CVBS/C
D45
17
2V9
10
9271
11)
9
3255
820
7265
BC848B
+8D
2V9
2V3
3259
10k
3253
560
CVBS/Y
D44
TP33
13
SUPPLY
16
AUDIO VIDEO
ONLY FL1.1
13
2V9
4
4114
11)
3
C-EXT2
3268
100
7268
BC817
+8C
2268
100n
3265
10k
3271
470
3279
68
14
2V9
2
4115
11)
1
Y-EXT2
+8C
2270
22n
3270
4K7
7270
BC848B
3273
470
7273
BC817
3275
68
3274
10k
3276
470
C
Y
4
1
3
2
EXT2
Y/C OUT
SVHS
+13
9265
12)
18
+5
17
-8
9263
12)
20
19
15
14
9269
12)
9268
12)
SDA
SCL
ENABLE 2
SVHS KILL
C19
H19
C20
H20
H42
F43
A+D+F+H
TP 30
2.5V
3V
5μs/DIV
TP 31
2V
2V
5μs/DIV
TP 32 (#)
2V
2V
5μs/DIV
TP 33
2V
1.5V
5μs/DIV
PRS 06960
T-26/113
CHASSIS FL1.1
CL 26532112/014.CREF
150992

ction video
wahl
orgenti dell'immagine
ource image

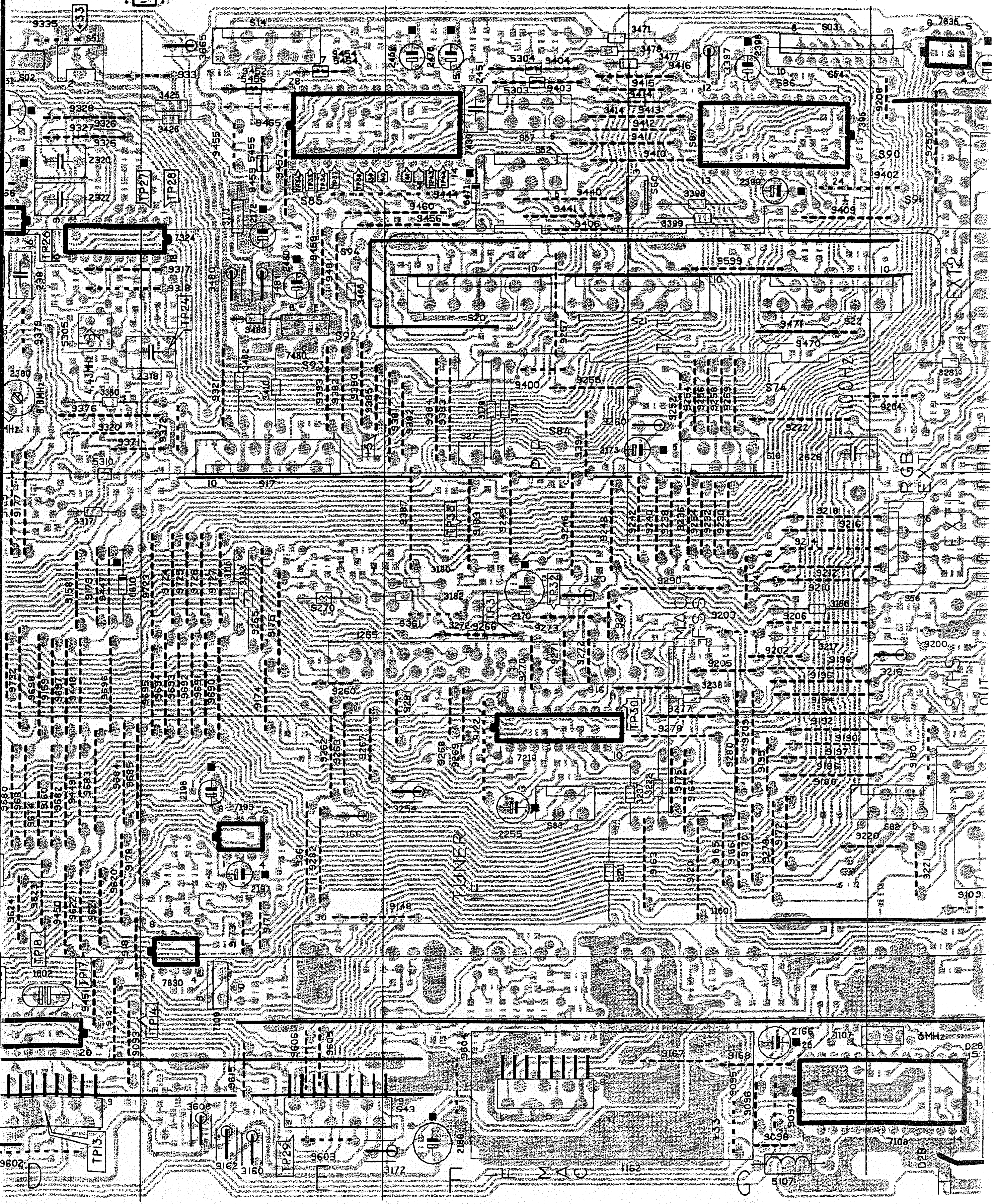
1160	C 2
1162	D 8
1248	M16
1255	E23
2120	B 7
2121	A 8
2122	A10
2123	B11
2160	A 6
2161	B 4
2163	E 2
2164	E 2
2165	A 4
2166	D 7
2168	B 9
2169	C10
2170	E28
2171	E28
2172	F28
2180	B 5
2181	D 6
2188	I 7
2189	J 7
2190	H 7
2191	J12
2193	M 6
2194	N 6
2196	N 5
2197	N 4
2216	C15
2219	C19
2234	I19
2240	J19
2241	K18
2242	K15
2243	K17
2245	L15
2249	N19
2252	O18
2253	H26
2254	C28
2255	C28
2257	A25
2258	B23
2260	C28
2261	C28
2268	L26
2269	J25
2270	M25
2274	H19
3113	H12
3114	H12
3133	I12
3151	A 7
3152	B 8
3153	A 8
3154	B 8
3155	A 9
3156	B12
3159	B11
3160	A 5
3161	B 9
3162	A 5
3163	D 2
3164	F 3
3165	F 3
3166	C 6
3167	C10
3168	B10
3170	D29
3171	E29
3172	B 4
3175	I 7
3176	H 7
3177	I 7
3178	H 7
3180	I 4
3181	J 4
3182	I 5
3183	J 4
3184	J 5
3185	J 6
3186	K 5
3187	L 8
3188	K 3
3189	L 4
3190	H 7
3191	L 4
3192	J 7
3193	M 6
3194	N 6
3196	M 5
3197	N 5
3200	I 9
3201	J 9
3205	L 9
3206	L 9
3207	M10
3208	N10
3209	N10
3210	N 9
3211	C14
3215	C14
3216	B15
3217	C14
3218	C15
3219	C14
3220	D19
3222	G20
3224	D14
3225	I25
3232	H20
3233	H20
3234	I15
3235	I16
3237	I20
3238	J19
3239	L19
3240	J19
3241	K18
3242	J16
3243	J17
3244	K16
3245	L16
3246	L16
3247	L16
3248	M16
3249	N19
3250	N19
3251	O15
3252	O15
3253	K25
3254	B29
3255	J25
3256	C23
3257	C23
3259	K25
3260	C29
3261	G25
3262	G25
3263	G26
3264	G25
3265	L25
3266	H26
3267	I24
3268	L25
3269	I25
3270	M25
3271	L25
3272	I24
3273	N26
3274	N25
3275	N27
3276	N26
3277	O19
3279	L27
3281	E14
3284	B20
3285	B19
3286	B21
3287	B23
3287	B21
3288	B23
3375	I26
4066	D 7
4108	E25
4111	A24
4114	L23
4115	L23
4130	N 3
4148	A 6
4162	D10
4163	B 3
4170	I 9
4171	I 8
4234	I16
4235	H16
4236	H18
4237	E16
4241	B21
4246	D29
4263	B22
4280	K20
5270	I25
6120	A 9
6121	A 9
6163	E 2
6165	H 6
6166	I 6
6168	B 9
6172	F28
6173	F28
6178	F 6
6256	C23
6257	C22
6280	B20
6281	B21
7120	B 8
7121	B11
7173	G 8
7176	H 8
7177	I 8
7182	J 5
7183	J 5
7186	K 4
7188	K 3
7193	L 2
7216	B15
7219	C20
7243	K16
7244	L16
7258	A24
7260	G25
7261	H25
7265	J25
7268	K25
7270	M26
7273	N26
7452	G 9
9098	B 3
9102	M16
9103	M18
9104	K17
9105	O19
9110	M17
9167	D 8
9168	D 8
9220	G18
9221	H16
9263	N22
9265	M22
9268	N24
9269	N24
9270	I23
9271	J23
9272	H23
9273	H26
9274	G23
9279	E15
9624	N 5
9636	N 5
9638	N 4
9650	M17
9655	E26
9656	E26

Small signal panel Klein-signal Platine

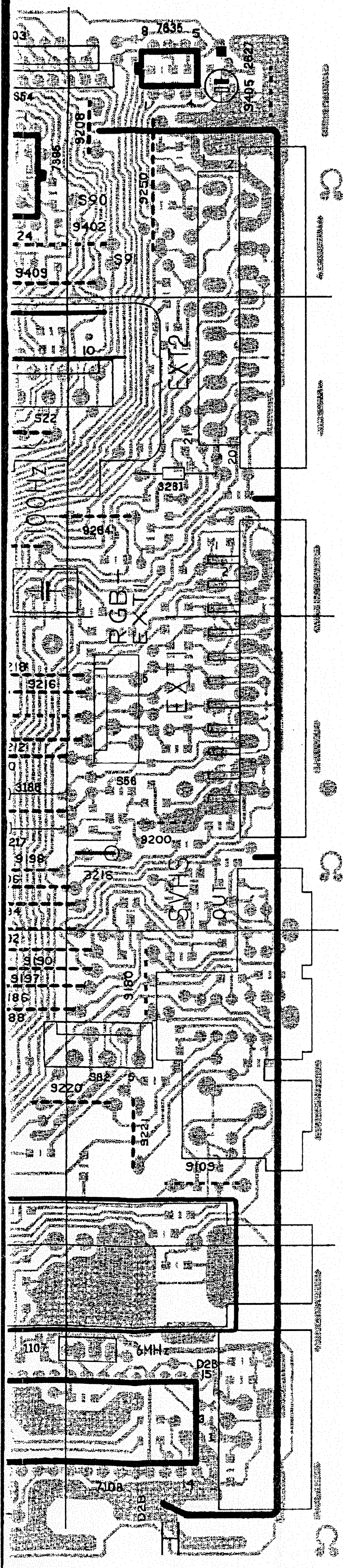

8204 004 1148.2
3104 303 3268.2
SERVICE DEFAULT
SERVICE
SECAM BLACK LEVEL
CHROMA
4.406MHz
4.5MHz
5.5MHz
6.5MHz
8.8MHz
7.16MHz
12MHz
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP11
TP12
TP15
TP16
TP18
TP19
TP20
TP21
TP22
TP23
TP25
TP26
+5
+13
HP
CVBS
EXT3
SVHS
CHANNEL SEPARATION L+R
CONTROL
A
B
C
D
7110
7137
7176
7384
7820
7822
7600
9730
9742
9743
9602
3999
3996
S01
S02
S23
S24
S25
S26
S42
S47
S60
S61
S72
S73
9086
9087
9088
9084
9089
9090
9092
9125
9126
9127
9130
9140
9141
9145
9146
9147
9150
9185
9194
9660
9670
9671
9672
9673
9675
9676
9677

6.17 **CHASSIS FL1.1**

Platine à petite signaux



EXT2
RGB EXT1
S-VHS OUT
TUNER
100Hz
6MHz
4,43MHz
8,8MHz
TP13
TP14
TP17
TP18
TP24
TP26
TP27
TP28
TP29
TP30
TP31
TP32
TP35
S17
S20
S21
S22
S43
S51
S52
S54
S57
S60
S74
S82
S83
S84
S85
S86
S87
S90
S91
S92
S93
S94
7108
7193
7219
7324
7480
7636
7830
1255
1602
1160
1162
5107
5303
5304
5305
5310
2166
2170
2173
2180
2197
2198
2255
2318
2320
2322
2380
2381
2398
2626
+33



D2B	H1	2627	H5	3666	E5	9140	B4	9262	E2	9602	D1
EXT1	H3	2634	D2	3680	B4	9141	B4	9263	E2	9603	E1
EXT2	H4	2638	D2	3684	B4	9142	B1	9264	H4	9604	F1
EXT3	A3	2682	B5	3686	B4	9143	C1	9265	E3	9605	E1
S01	B5	2684	B4	3700	B5	9145	B4	9266	F3	9606	E1
S02	D5	2686	B5	3706	C4	9146	B4	9267	E2	9615	E1
S03	H6	2700	B5	3712	C4	9147	B4	9268	F3	9620	D2
S05	A4	2702	B5	3713	C4	9148	E2	9269	F3	9621	D2
S11	A5	2706	C5	3720	B6	9150	C3	9270	F3	9622	D2
S14	E5	2720	B6	3722	B5	9151	B1	9271	F3	9623	D2
S15	B2	2727	B6	3732	C5	9152	B1	9272	F3	9624	D2
S16	G4	2728	C5	3733	C5	9153	B1	9273	F3	9628	D2
S17	E4	3101	B2	3996	A1	9154	B1	9274	F3	9635	C1
S18	A5	3104	B2	3999	A1	9155	A1	9277	G2	9636	D1
S19	B2	3106	B2	5100	A5	9156	A2	9278	G2	9637	C1
S20	F4	3109	B1	5107	G1	9157	A2	9279	G2	9638	D1
S21	F4	3113	C1	5115	B3	9158	D3	9280	G2	9639	C1
S22	G4	3114	C1	5270	E3	9159	D3	9281	F2	9641	C1
S23	C5	3115	E3	5303	F5	9160	D2	9282	E2	9642	C1
S24	C5	3116	C3	5304	F5	9161	G3	9290	G3	9650	B2
S25	C5	3129	B2	5306	D4	9163	G2	9310	C5	9651	B2
S26	C5	3131	C3	5310	D4	9164	G2	9316	C5	9652	C2
S27	F4	3132	B4	5345	C4	9165	G2	9317	D4	9653	C2
S42	D1	3134	B4	5346	C4	9166	G2	9318	D4	9654	C2
S43	F1	3137	B4	5370	C5	9167	G1	9319	D3	9655	C2
S44	B4	3138	B4	5375	C3	9168	G1	9320	D4	9656	C2
S45	A4	3139	B3	5454	E5	9169	D3	9321	E4	9657	C2
S46	A3	3140	B4	5455	E5	9170	G2	9325	D5	9658	C2
S47	C4	3141	B4	5456	E5	9171	E2	9326	D5	9659	C2
S48	B2	3142	B4	6471	F5	9172	G2	9327	D5	9660	C2
S49	A2	3143	B4	6610	D3	9173	E2	9328	D5	9670	C2
S50	C4	3144	B4	7109	E1	9174	E3	9330	D5	9671	D2
S51	D5	3145	B4	7115	B3	9175	E3	9331	D5	9672	C2
S52	F5	3146	B4	7137	B3	9176	G2	9335	D5	9673	C2
S53	C2	3147	B3	7193	E2	9177	D3	9336	A5	9674	D2
S54	H5	3157	C3	7219	F2	9178	D2	9361	F3	9675	D2
S56	H3	3158	C3	7324	E5	9179	D3	9366	D5	9676	D2
S57	F5	3160	E1	7366	D5	9180	H2	9371	D4	9677	C2
S60	G5	3162	E1	7395	G5	9181	D2	9372	E4	9680	D2
S81	D3	3166	E2	7430	E5	9183	F3	9375	C3	9681	D2
S82	G2	3169	C3	7480	E4	9185	B3	9376	D4	9682	D2
S83	F2	3170	F3	7635	H5	9186	G2	9379	D4	9683	D2
SVHS	H2	3171	E5	7680	B5	9188	G2	9380	E4	9684	D2
1100	A5	3172	E1	7704	C5	9189	C4	9381	F4	9685	D2
1107	H1	3174	F4	9084	B4	9190	G2	9382	F4	9690	E3
1115	B3	3179	F4	9086	B4	9192	G3	9383	F4	9691	E3
1160	E2	3180	F3	9087	B4	9194	G3	9384	F4	9692	E3
1162	F1	3182	F3	9088	B4	9195	G2	9385	E4	9693	E3
1248	B1	3183	E3	9090	C5	9196	G3	9387	F3	9694	E3
1379	D4	3186	G3	9091	A5	9197	G2	9391	F4	9695	E3
1380	D4	3211	F2	9092	A5	9198	G3	9392	E4	9696	D3
1602	D1	3216	H3	9093	D1	9200	H3	9393	E4	9697	D3
2100	A5	3217	G3	9095	G1	9202	G3	9400	F4	9698	D3
2114	B3	3222	G2	9096	G1	9203	G3	9402	H5	9705	C3
2131	A5	3237	G2	9097	G1	9205	G3	9403	F5	9706	C3
2138	B4	3238	G3	9098	G1	9206	G3	9404	F5	9707	C3
2160	F1	3242	B1	9100	B2	9208	H5	9405	H5	9710	C3
2166	G1	3254	F2	9101	B2	9209	G2	9406	F4	9711	C3
2170	F3	3260	G4	9102	B2	9210	G3	9409	G5	9712	C3
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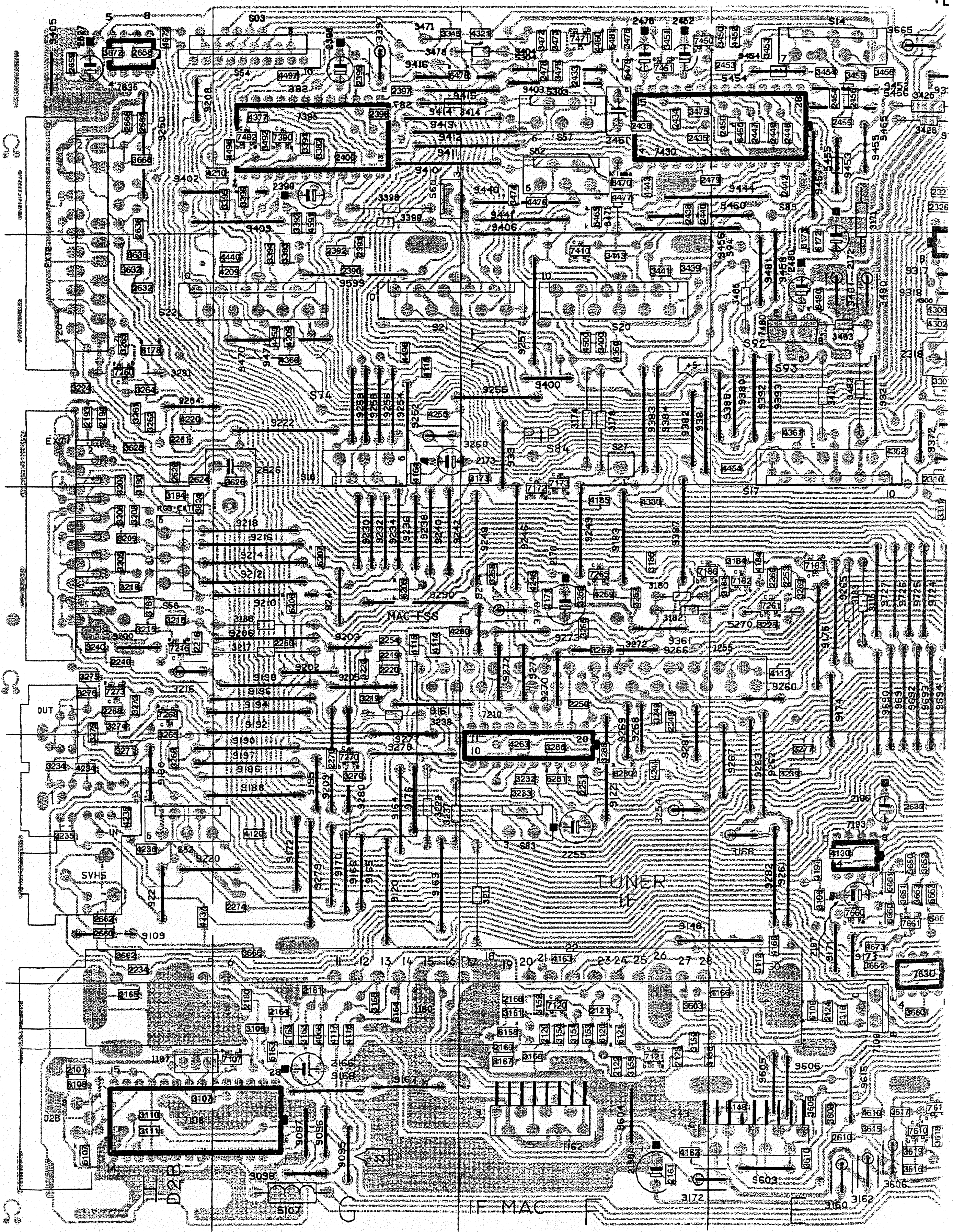
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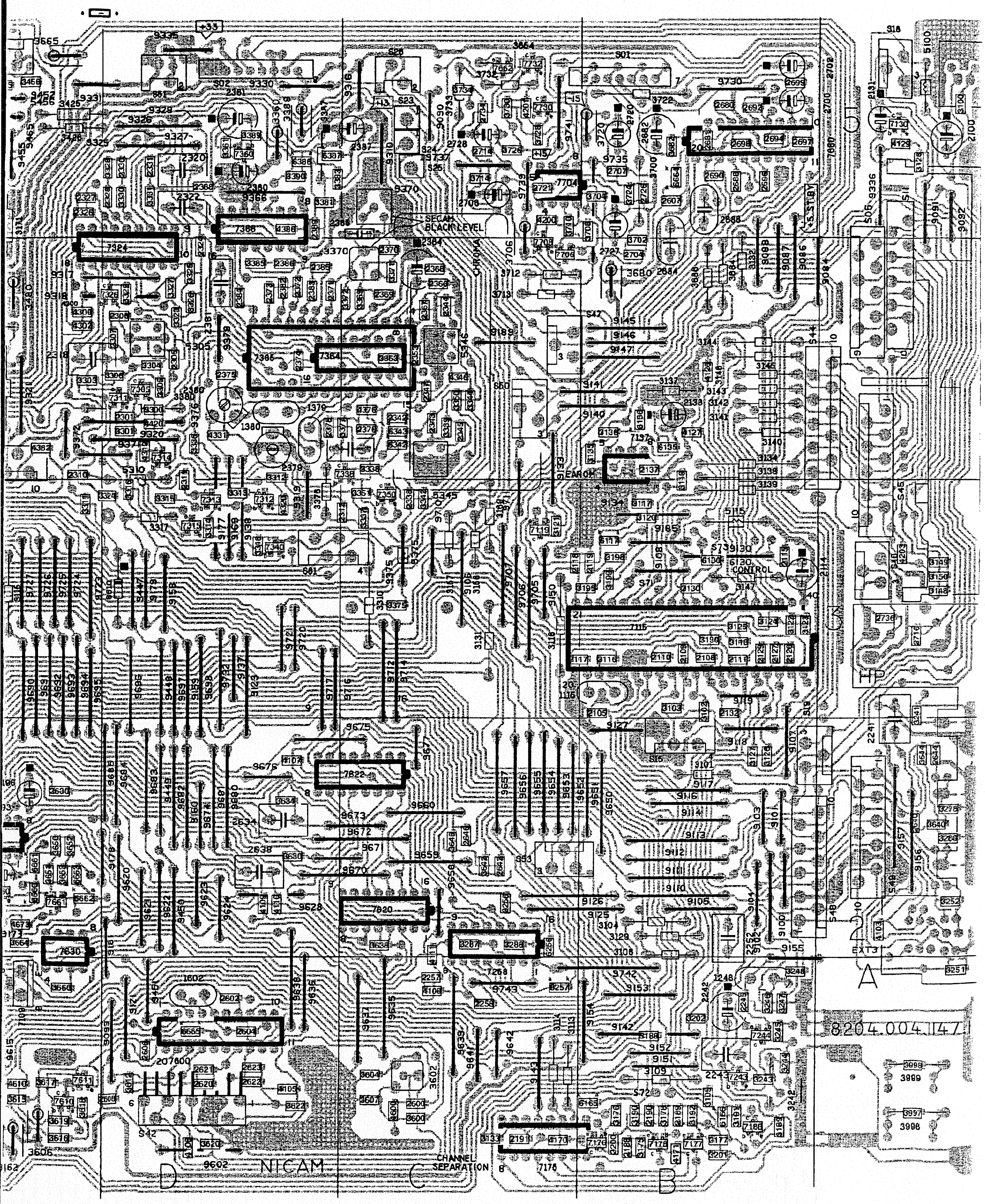
Small signal panel Klein-signal Platine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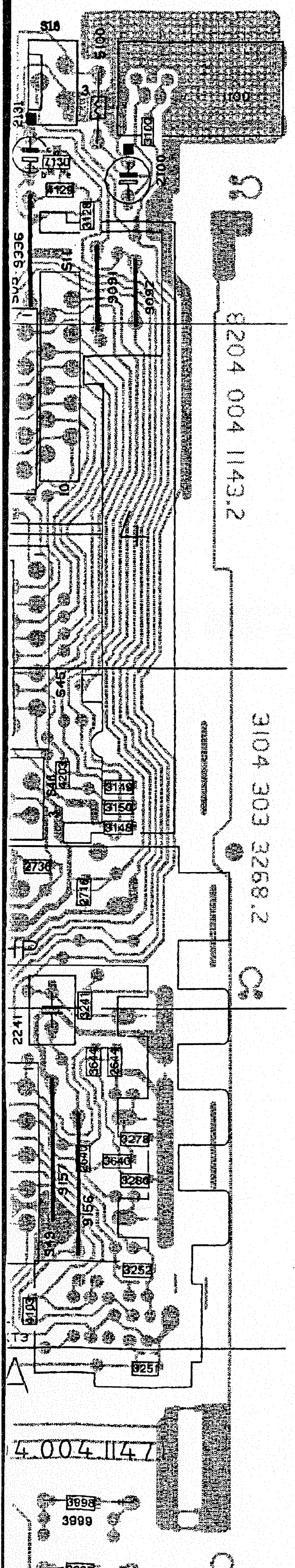
Platine à petite signaux



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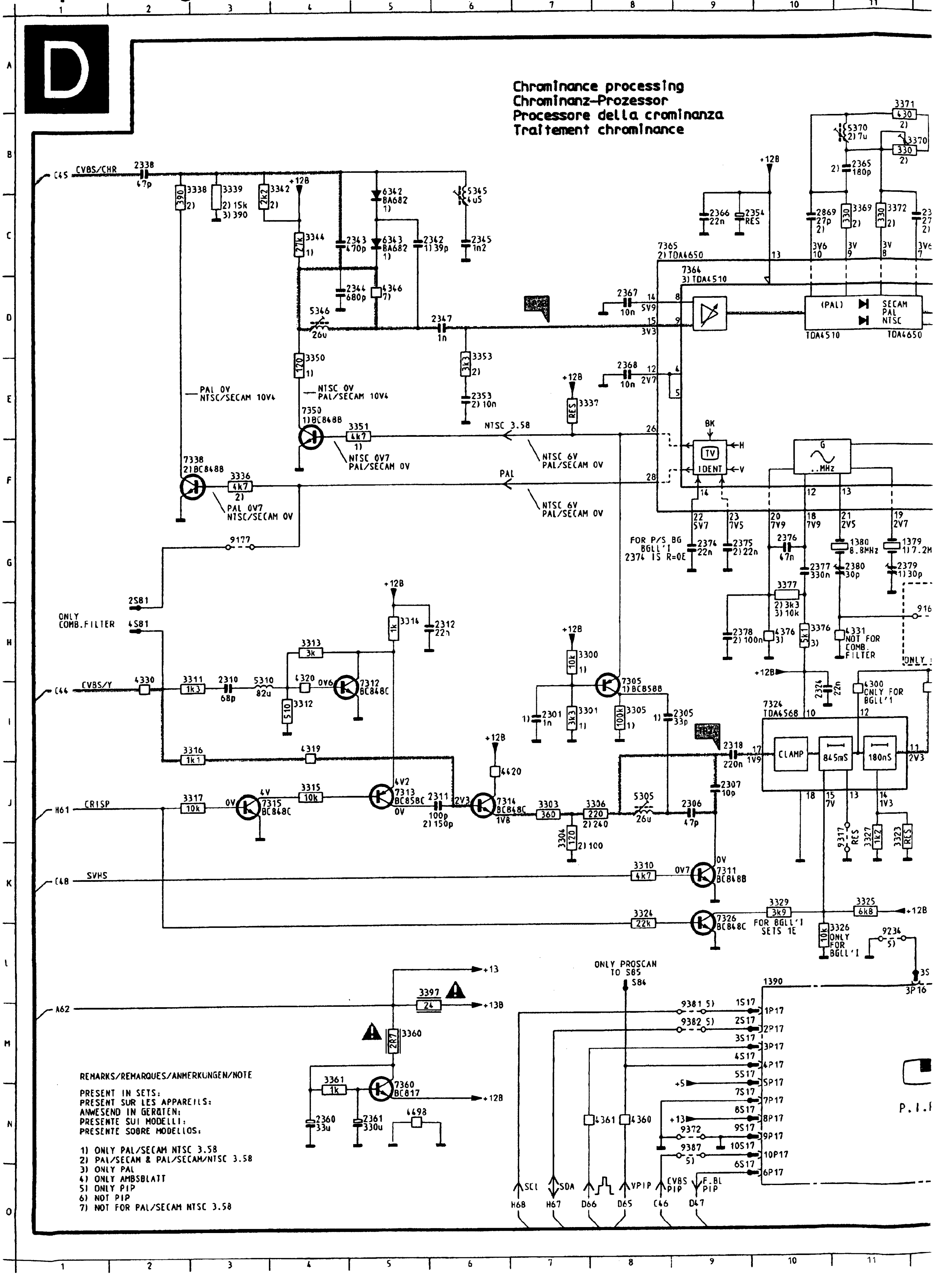
9706 C3
9707 C3
9710 C3
9711 C3
9712 C3
9714 C3
9716 D3
9717 D3
9720 D3
9721 D3
9723 E3
9724 E3
9725 E3
9726 E3
9727 E3
9730 B6
9732 D3
9735 B5
9737 C6
9739 C6
9741 C6
9742 B1
9743 C1



Chrominance processing
Chrominanz-Prozessor
Processore della crominanza
Traitement chrominance

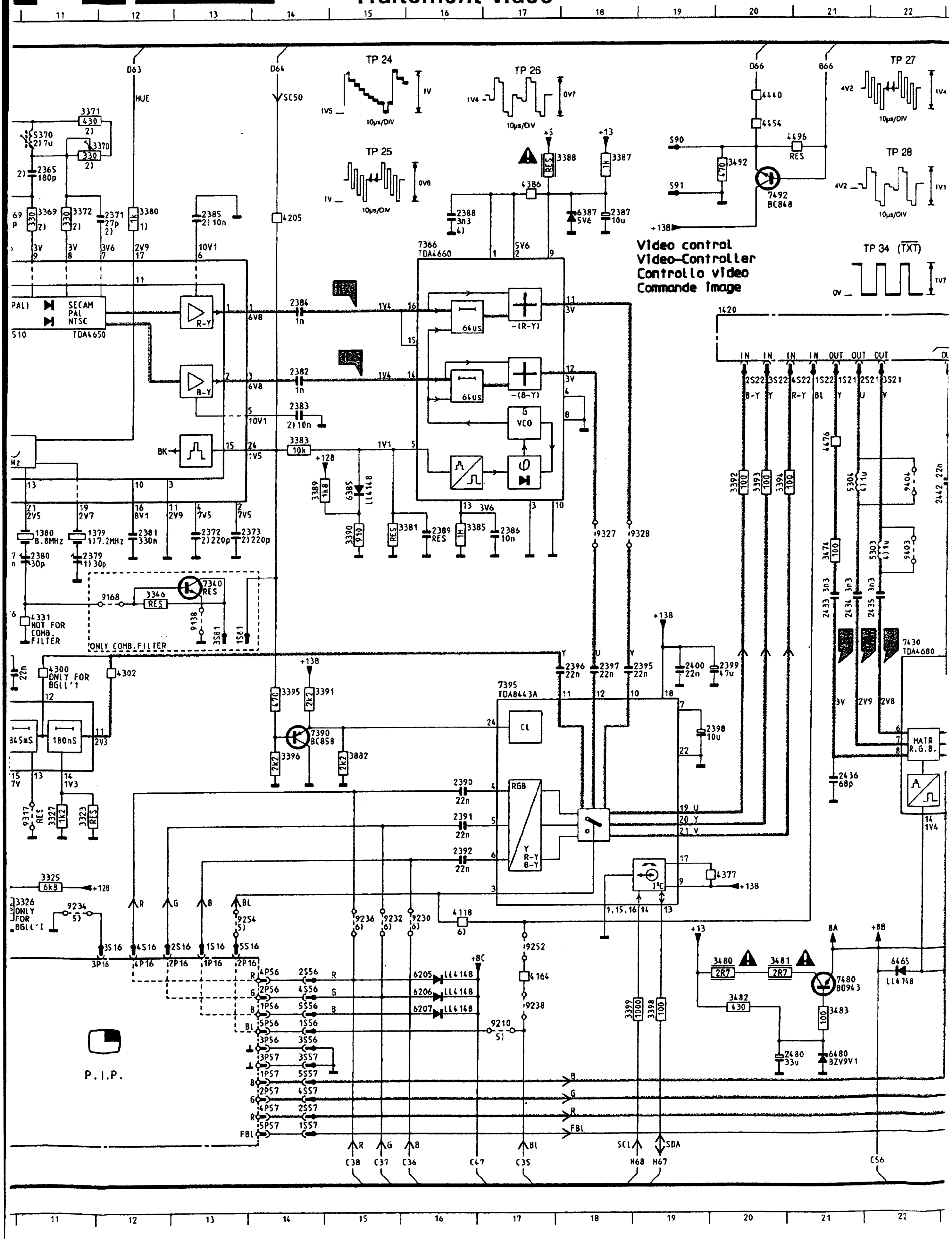
D
C45 CVBS/CHR
C44 CVBS/Y
H61 CRISP
C48 SVHS
A62
2S81
4S81
ONLY COMB.FILTER
7365 2) TDA4650
7364 3) TDA4510
7324 TDA4568
(PAL) SECAM PAL NTSC
TDA4510 TDA4650
IDENT
BK
..MHz
CLAMP
845mS
180nS
7338 2) BC848B
7350 1) BC848B
7315 BC848C
7313 BC858C
7314 BC848C
7312 BC848C
7305 1) BC858B
7311 BC848B
7326 BC848C
7360 BC817
NTSC 3.58
PAL
PAL 0V NTSC/SECAM 10V4
NTSC 0V PAL/SECAM 10V4
NTSC 0V7 PAL/SECAM 0V
PAL 0V7 NTSC/SECAM 0V
NTSC 6V PAL/SECAM 0V
FOR P/S BG BGLL'I 2374 IS R=0E
ONLY FOR BGLL'I
NOT FOR COMB. FILTER
FOR BGLL'I SETS 1E
ONLY PROSCAN TO S85
S84
1390
3P16
SCL SDA VPIP CVBS PIP F.BL PIP
H68 H67 D66 D65 C46 D47
+12B
+13
+13B
P.I.

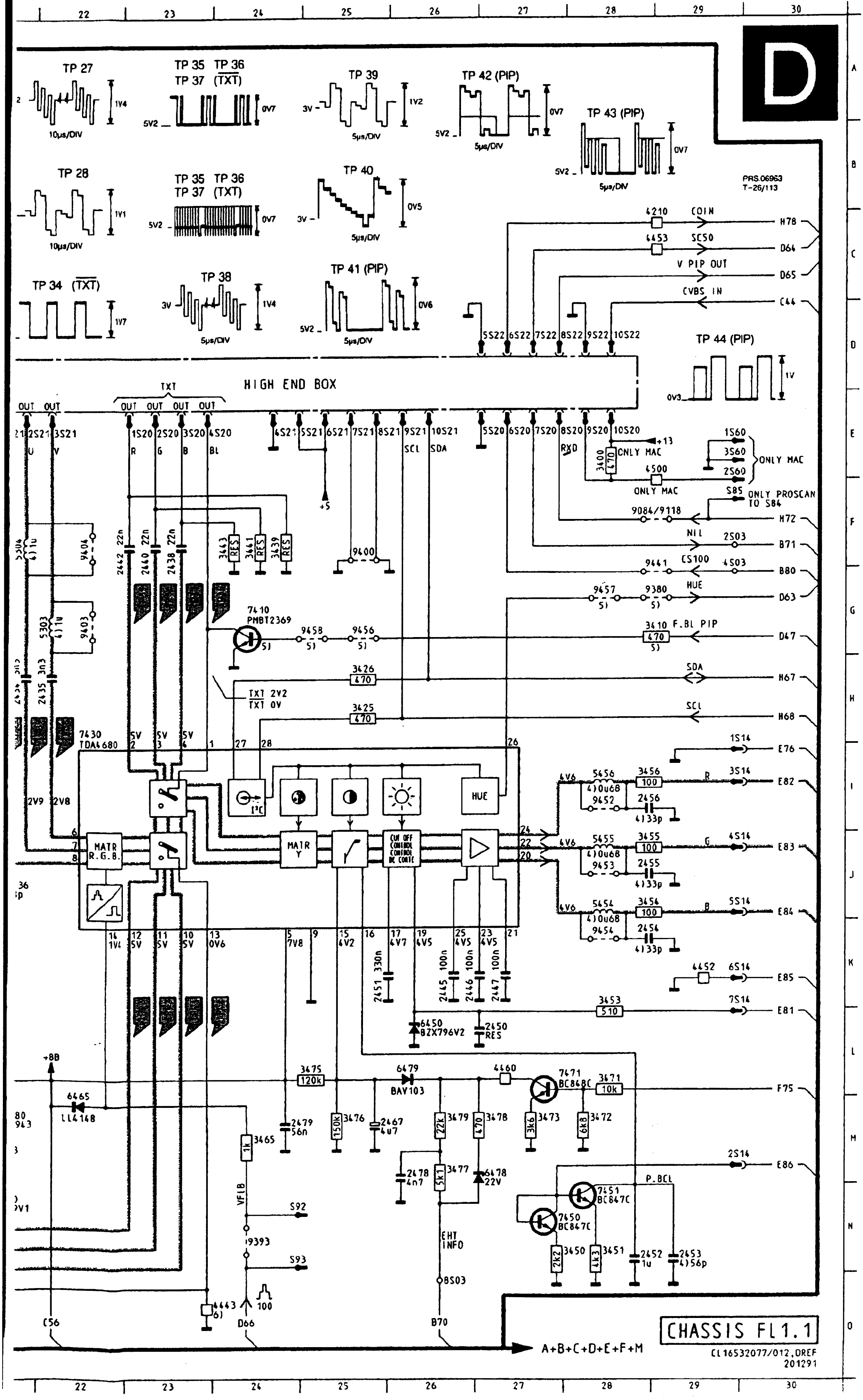
REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) ONLY PAL/SECAM NTSC 3.58
2) PAL/SECAM & PAL/SECAM/NTSC 3.58
3) ONLY PAL
4) ONLY AMBSBLATT
5) ONLY PIP
6) NOT PIP
7) NOT FOR PAL/SECAM NTSC 3.58

Traitement vidéo


TP 24
1V
1V5
10µs/DIV
TP 25
0V8
1V
TP 26
1V4
0V7
TP 27
4V2
1V4
TP 28
1V1
TP 34 (TXT)
1V7
0V
Video control
Video-Controller
Controllo video
Commande image
7366
TDA4660
-(R-Y)
-(B-Y)
64us
VCO
7395
TDA8443A
RGB
Y
R-Y
B-Y
CL
TDA4650
SECAM
PAL
NTSC
R-Y
B-Y
BK
7340
RES
ONLY COMB.FILTER
4331
NOT FOR
COMB.
FILTER
4300
ONLY FOR
BGLL'1
3326
ONLY
FOR
BGLL'I
7390
BC858
7492
BC848
7480
BD943
6480
BZV9V1
7430
TDA4680
MATR
R.G.B.
1420
IN
OUT
2S22
3S22
4S22
1S22
1S21
2S21
3S21
B-Y
Y
R-Y
BL
U
V
HUE
SC50
D63
D64
D66
D66
S90
S91
+13B
+5
+13
+12B
+8C
+8A
+8B
C38
C37
C36
C47
C35
H68
H67
C56
SCL
SDA
R
G
B
BL
FBL
P.I.P.
11
12
13
14
15
16
17
18
19
20
21
22


22
23
24
25
26
27
28
29
30
D
TP 27
1V4
10µs/DIV
TP 35 TP 36
TP 37 (TXT)
5V2
0V7
TP 39
3V
1V2
5µs/DIV
TP 42 (PIP)
0V7
TP 43 (PIP)
0V7
TP 28
1V1
TP 35 TP 36
TP 37 (TXT)
TP 40
0V5
PRS.06963
T-26/113
TP 34 (TXT)
1V7
TP 38
1V4
TP 41 (PIP)
0V6
TP 44 (PIP)
1V
0V3
HIGH END BOX
TXT
OUT OUT OUT OUT
OUT OUT
1S20 2S20 3S20 4S20
R G B BL
4S21 5S21 6S21 7S21 8S21 9S21 10S21
SCL SDA
5S20 6S20 7S20 8S20 9S20 10S20
5S22 6S22 7S22 8S22 9S22 10S22
RXD
+13
+5
4210 COIN H78
4453 SC50 D64
V PIP OUT D65
CVBS IN C44
1S60
3S60
2S60
ONLY MAC
3400 470
4500
S85 ONLY PROSCAN TO S84
9084/9118 H72
NIL 2S03 B71
9441 CS100 4S03 B80
9457 9380 HUE D63
7410 PMBT2369
9458 9456
3410 F.BL PIP 470 D47
3426 470 SDA H67
3425 470 SCL H68
TXT 2V2
TXT 0V
7430 TDA4680
MATR R.G.B.
MATR Y
HUE
I²C
CUT OFF CONTROL CONTROL DC CONTE
2442 22n
2440 22n
2438 22n
3443 RES
3441 RES
3439 RES
9400
9404
9403
5304 47µ
5303 47µ
2435 3n3
2V9
2V8
1S14 E76
4V6 5456 4µ68 3456 100 9452 2456 4µ33p R 3S14 E82
4V6 5455 4µ68 3455 100 9453 2455 4µ33p G 4S14 E83
4V6 5454 4µ68 3454 100 9454 2454 4µ33p B 5S14 E84
4452 6S14 E85
3453 510 7S14 E81
2451 330n
2445 100n
2446 100n
2447 100n
6450 BZX79C6V2
2450 RES
7V8
4V2
4V7
4VS
+8B
6465 LL4148
3475 120k
6479 BAV103
4460
7471 BC848C
3471 10k
F75
2479 56n
3476 150k
2467 4µ7
3479 22k
3478 470
3473 3k6
3472 6k8
3465 1k
VFIB
2478 4n7
3477 5k1
6478 22V
EHT INFO
2S14 E86
P.BCL
7451 BC847C
7450 BC847C
3450 2k2
3451 4k3
2452 1µ
2453 4µ56p
S92
9393
S93
4443
100
8S03
C56
D66
B70
A+B+C+D+E+F+M
CHASSIS FL1.1
CL 16532077/012.DREF
201291
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O

1379	G11
1380	G11
1390	L10
1420	D20
2301	I 7
2305	I 9
2306	J 9
2307	J 9
2310	I 3
2311	J 6
2312	H 6
2318	I 9
2324	I10
2338	B 2
2342	C 5
2343	C 4
2344	D 4
2345	C 6
2347	D 6
2353	E 6
2354	C 9
2360	N 4
2361	N 5
2365	B11
2366	C 9
2367	D 8
2368	E 8
2371	C12
2372	G13
2373	G13
2374	G 9
2375	G 9
2376	G10
2377	G10
2378	H 9
2379	G11
2380	G11
2381	G12
2382	E14
2383	E14
2384	D14
2385	C13
2386	G17
2387	C18
2388	C16
2389	G16
2390	J16
2391	K16
2392	K16
2395	I18
2396	I18
2397	I18
2398	I19
2399	I20
2400	I19
2433	H21
2434	H21
2435	H22
2436	J21
2438	F23
2440	F23
2442	F22
2445	K26
2446	K26
2447	K27
2450	L27
2451	K25
2452	N28
2453	N29
2454	K28
2455	J28
2456	I28
2467	M25
2478	M26
2479	M24
2480	N20
2869	C10
3300	H 7
3301	I 7
3303	J 7
3304	K 7
3305	I 8
3306	J 8
3310	K 8
3311	I 3
3312	I 4
3313	H 4
3314	H 5
3315	J 4
3316	I 3
3317	J 3
3323	K11
3324	K 8
3325	K11
3326	L10
3327	K11
3329	K10
3336	F 3
3337	E 7
3338	B 2
3339	B 3
3342	B 3
3344	C 4
3346	H12
3350	D 4
3351	E 5
3353	D 6
3360	M 5
3361	N 4
3369	C11
3370	B11
3371	B11
3372	C11
3376	H10
3377	G10
3380	C12
3381	G15
3383	F14
3385	G16
3387	B18
3388	B17
3389	F14
3390	G15
3391	I14
3392	F20
3393	F20
3394	F20
3395	I14
3396	J14
3397	L 5
3398	M19
3399	M18
3400	E28
3410	G29
3425	H25
3426	H25
3439	F24
3441	F24
3443	F24
3450	N27
3451	N28
3453	K28
3454	J28
3455	J28
3456	I28
3465	M24
3471	L28
3472	M28
3473	M27
3474	G21
3475	L25
3476	M25
3477	M26
3478	M27
3479	M26
3480	L20
3481	L20
3482	M20
3483	M21
3492	B20
3882	J15
4118	L16
4164	M17
4205	C14
4210	C29
4300	I11
4302	I12
4319	I 4
4320	I 4
4330	I 2
4331	H11
4346	D 5
4360	N 8
4361	N 8
4376	H10
4377	K20
4386	B17
4420	J 6
4440	A20
4443	O24
4452	K29
4453	C29
4454	B20
4460	L27
4476	F21
4496	B21
4498	N 5
4500	E29
5303	G22
5304	F21
5305	J 8
5310	I 3
5345	C 6
5346	D 4
5370	B11
5454	J28
5455	J28
5456	I28
6205	M16
6206	M16
6207	M16
6342	C 5
6343	C 5
6385	F15
6387	C18
6450	L26
6465	M22
6478	M27
6479	L26
6480	N21
7305	I 8
7311	K 9
7312	I 5
7313	J 5
7314	J 6
7315	J 3
7324	I10
7326	L 9
7338	F 2
7340	M13
7350	E 4
7360	N 5
7364	O 9
7365	C 8
7366	C16
7390	J14
7395	I17
7410	G24
7430	H22
7450	N27
7451	N28
7471	L27
7480	M21
7492	C20
9084	F29
9138	H13
9168	H12
9177	G 3
9210	M17
9230	L16
9232	L15
9234	L11
9236	L15
9238	M17
9252	L17
9254	L13
9317	K11
9327	G18
9328	G18
9372	N 9
9380	G29
9381	M 9
9382	M 9
9387	N 9
9393	N24
9400	F25
9403	G22
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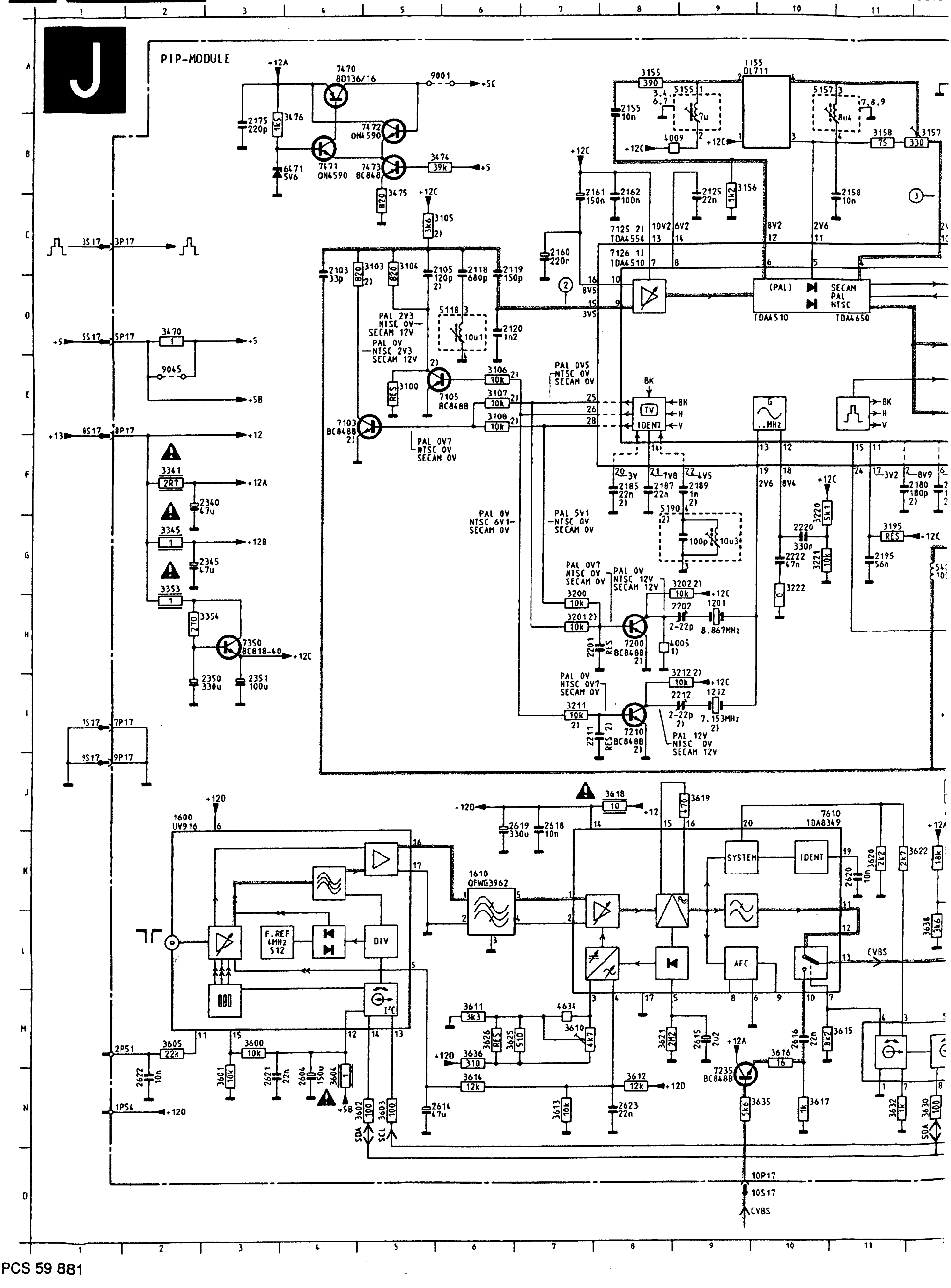
9441	F29
9452	I28
9453	J28
9454	K28
9456	G25
9457	G28
9458	G25


J
PIP-MODULE
7470 BD136/16
7471 ON4590
7472 ON4590
7473 BC848
6471 5V6
3476 1k5
3475 820
3474 39k
2175 220p
9001
+12A
+5C
+5
3S17 3P17
5S17 5P17
8S17 8P17
7S17 7P17
9S17 9P17
2P51
1P54
3470 1
9045
+5B
+12
3361 2R7
2340 47u
3345 1
2345 47u
3353 1
3354 270
7350 BC818-40
2350 330u
2351 100u
+12A
+12B
+12C
3105 3k6
2103 33p
3103 820
3104 820
2105 120p
2118 680p
2119 150p
2120 1n2
5118 10u1
PAL 2V3
NTSC 0V
SECAM 12V
PAL 0V
NTSC 2V3
SECAM 12V
3100 RES
7105 BC848B
7103 BC848B
3106 10k
3107 10k
3108 10k
PAL 0V5
NTSC 0V
SECAM 0V
PAL 0V7
NTSC 0V
SECAM 0V
3155 390
1155 DL711
5155 7u
5157 8u4
2155 10n
4009
3158 75
3157 330
2158 10n
2161 150n
2162 100n
2125 22n
3156 1k2
2160 220n
7125 2) TDA4554
7126 1) TDA4510
10V2
6V2
8V2
2V6
8V5
3V5
(PAL)
SECAM
PAL
NTSC
TDA4510
TDA4650
BK
H
V
IDENT
TV
..MHz
3V
7V8
4V5
2185 22n
2187 22n
2189 1n
5190 100p 10u3
2V6
8V4
3V2
8V9
2180 180p
3220 5k1
2220 330n
2222 47n
3221 10k
3222 0
3195 RES
2195 56n
PAL 0V
NTSC 6V1
SECAM 0V
PAL 5V1
NTSC 0V
SECAM 0V
PAL 0V7
NTSC 0V
SECAM 0V
PAL 0V
NTSC 12V
SECAM 12V
3200 10k
3201 10k
3202 10k
2202 2-22p
1201 8.867MHz
7200 BC848B
2201 RES
4005
3211 10k
3212 10k
2212 2-22p
1212 7.153MHz
7210 BC848B
2211 RES
PAL 12V
NTSC 0V
SECAM 12V
PAL 0V
NTSC 0V7
SECAM 0V
+12D
1600 UV916
F.REF 4MHz 512
DIV
I²C
3605 22k
2622 10n
3600 10k
3601 10k
2621 22n
2604 150u
3604 1
+5B
3602 100
3603 100
SDA
SCL
1610 OFWG3962
2619 330u
2618 10n
3618 10
3619 470
7610 TDA8349
SYSTEM
IDENT
AFC
CVBS
3620 2k2
2620 10n
3622 2k7
18k
3638 3k6
3611 3k3
3626 RES
3625 510
4634
3610 4k7
3636 310
3614 12k
3612 12k
3613 10k
2623 22n
2614 47u
3621 2M2
2615 2u2
7235 BC848B
3635 5k6
3616 16
2616 22n
3617 1k
3615 8k2
3632 1k
3630 100
10P17
10S17
CVBS

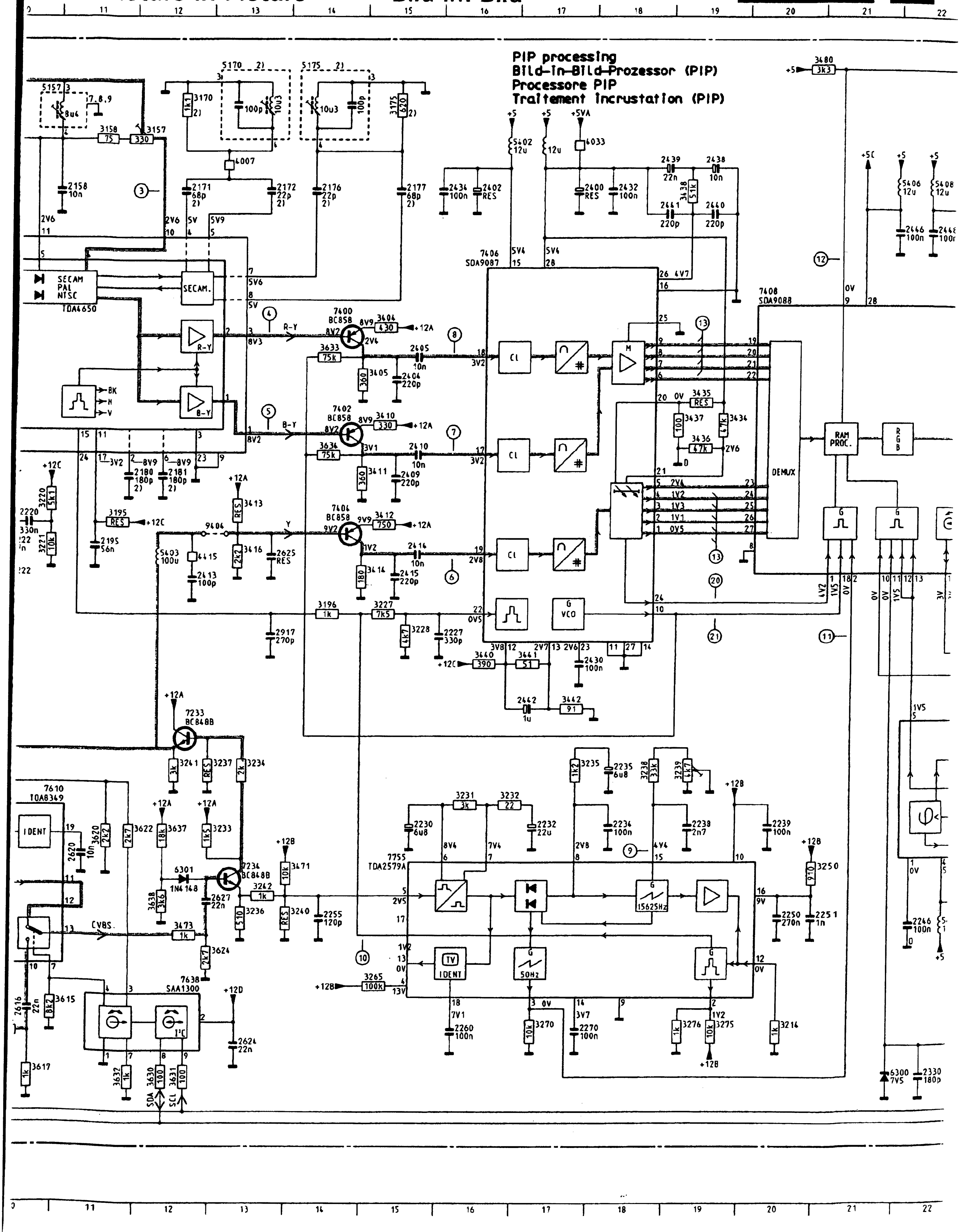
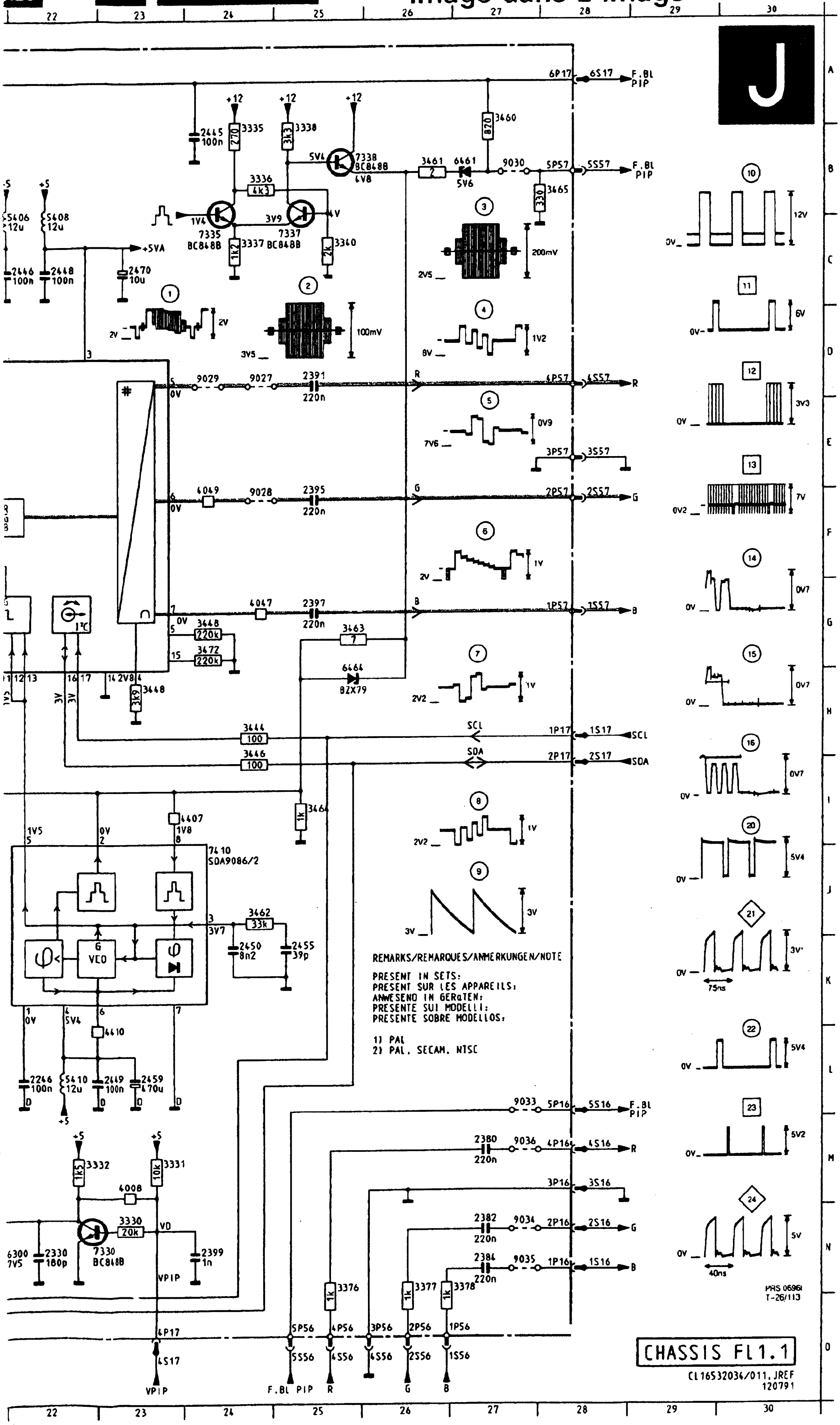

PIP processing
Bild-in-Bild-Prozessor (PIP)
Processore PIP
Traitement incrustation (PIP)
7406
SDA9087
7408
SDA9088
TDA4650
SECAM
PAL
NTSC
SECAM.
R-Y
B-Y
Y
7400
BC858
7402
BC858
7404
BC858
7233
BC848B
7234
BC848B
7610
TDA8349
IDENT
7638
SAA1300
7755
TDA2579A
TV IDENT
50Hz
15625Hz
CL
VCO
DEMUX
RAM PROC.
R G B
M
CVBS.
SDA
SCL
I²C
6301
1N4148
6300
7V5
5157
5170
5175
3480
3k3
+5
+5C
+12A
+12B
+12C
+12D
+5VA

Image dans L'image

J


22
23
24
25
26
27
28
29
30
6P17 6S17 F.BL PIP
5P57 5S57 F.BL PIP
+12
3335 270
3338 3k3
2445 100n
7338 BC848B
5V4
4V8
3461 2
6461 5V6
9030
3460 870
3465 330
3336 4k3
1V4
3V9
4V
7335 BC848B
7337 BC848B
3337 1k2
3340 2k
+5
5406 12u
5408 12u
+5VA
2446 100n
2448 100n
2470 10u
2V
100mV
3V5
200mV
2V5
1V2
8V
0V9
7V6
1V
2V
2V2
3V
9029
9027
2391 220n
R
4P57 4S57 R
3P57 3S57
4049
9028
2395 220n
G
2P57 2S57 G
4047
2397 220n
B
1P57 1S57 B
3448 220k
3472 220k
3463 7
6464 BZX79
3448 3k9
1°C
3444 100
3446 100
SCL
1P17 1S17 SCL
SDA
2P17 2S17 SDA
3464 1k
4407 1V8
7410 SDA9086/2
VCO
3462 33k
3V7
2450 8n2
2455 39p
4410
2246 100n
5410 12u
2449 100n
2459 470u
9033 5P16 5S16 F.BL PIP
2380 220n 9036 4P16 4S16 R
3P16 3S16
2382 220n 9034 2P16 2S16 G
2384 220n 9035 1P16 1S16 B
3332 1k5
3331 10k
4008
3330 20k
VD
7330 BC848B
6300 7V5
2330 180p
2399 1n
VPIP
3376 1k
3377 1k
3378 1k
4P17 4S17 VPIP
5P56 5S56 F.BL PIP
4P56 4S56 R
3P56 4S56
2P56 2S56 G
1P56 1S56 B
12V
0V
6V
3V3
7V
0V2
0V7
5V4
3V'
75ns
5V2
5V
40ns
PRS 06961 T-26/113
CHASSIS FL1.1
CL 16532034/011.JREF 120791

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL
2) PAL, SECAM, NTSC

1155	A 9	3212	I 9	5155	A 8
1201	H 9	3214	M20	5157	A10
1212	I 9	3220	G10	5170	A13
1600	J 2	3221	G10	5175	A14
1610	K 6	3222	G10	5190	G 8
2103	D 4	3227	H15	5402	B16
2105	D 5	3228	H15	5403	G12
2118	D 6	3231	J16	5406	C21
2119	D 6	3232	J16	5408	C22
2120	D 6	3233	K13	5410	L22
2125	C 9	3234	J13	6300	N21
2155	B 8	3235	J17	6301	K12
2158	C11	3236	L13	6461	B27
2160	C 7	3237	J13	6464	H25
2161	C 7	3238	J18	6471	B 3
2162	C 8	3239	J19	7103	E 4
2171	C12	3240	L14	7105	E 5
2172	C13	3241	J12	7125	C 8
2175	B 3	3242	L13	7126	C 8
2176	C14	3250	K21	7200	H 8
2177	C15	3265	M15	7210	I 8
2180	F11	3270	M17	7233	I12
2181	F12	3275	M19	7234	K13
2185	F 8	3276	M19	7235	N 9
2187	F 8	3330	N23	7330	N22
2189	F 9	3331	M23	7335	C24
2195	G11	3332	M22	7337	C25
2201	H 7	3335	A24	7338	B25
2202	H 9	3336	B24	7350	H 3
2211	I 7	3337	C24	7400	D14
2212	I 9	3338	A25	7402	E14
2220	G10	3340	C25	7404	G14
2222	G10	3341	F 2	7406	C16
2227	H16	3345	G 2	7408	D20
2230	K15	3353	G 2	7410	I24
2232	K17	3354	H 2	7470	A 4
2234	K18	3376	N25	7471	B 4
2235	J18	3377	N26	7472	B 5
2238	K19	3378	N27	7473	B 5
2239	K20	3404	D15	7610	J11
2246	L22	3405	E15	7638	M12
2250	L20	3410	F15	7755	K15
2251	L21	3411	F15	9001	A 5
2255	L14	3412	G15	9027	D24
2260	M16	3413	G13	9028	F24
2270	M17	3414	G15	9029	D24
2330	N22	3416	G13	9030	B27
2340	F 2	3434	E19	9033	L27
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2384	N27	3441	I17		
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2397	G25	3446	H24		
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2404	E15	3461	B26		
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2439	B18	3476	B 3		
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2446	C22	3603	N 5		
2448	C22	3604	N 4		
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2616	M10	3617	N10		
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3158	B11	4009	B 8		
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3175	A15	4047	G24		
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3196	H14	4407	I23		
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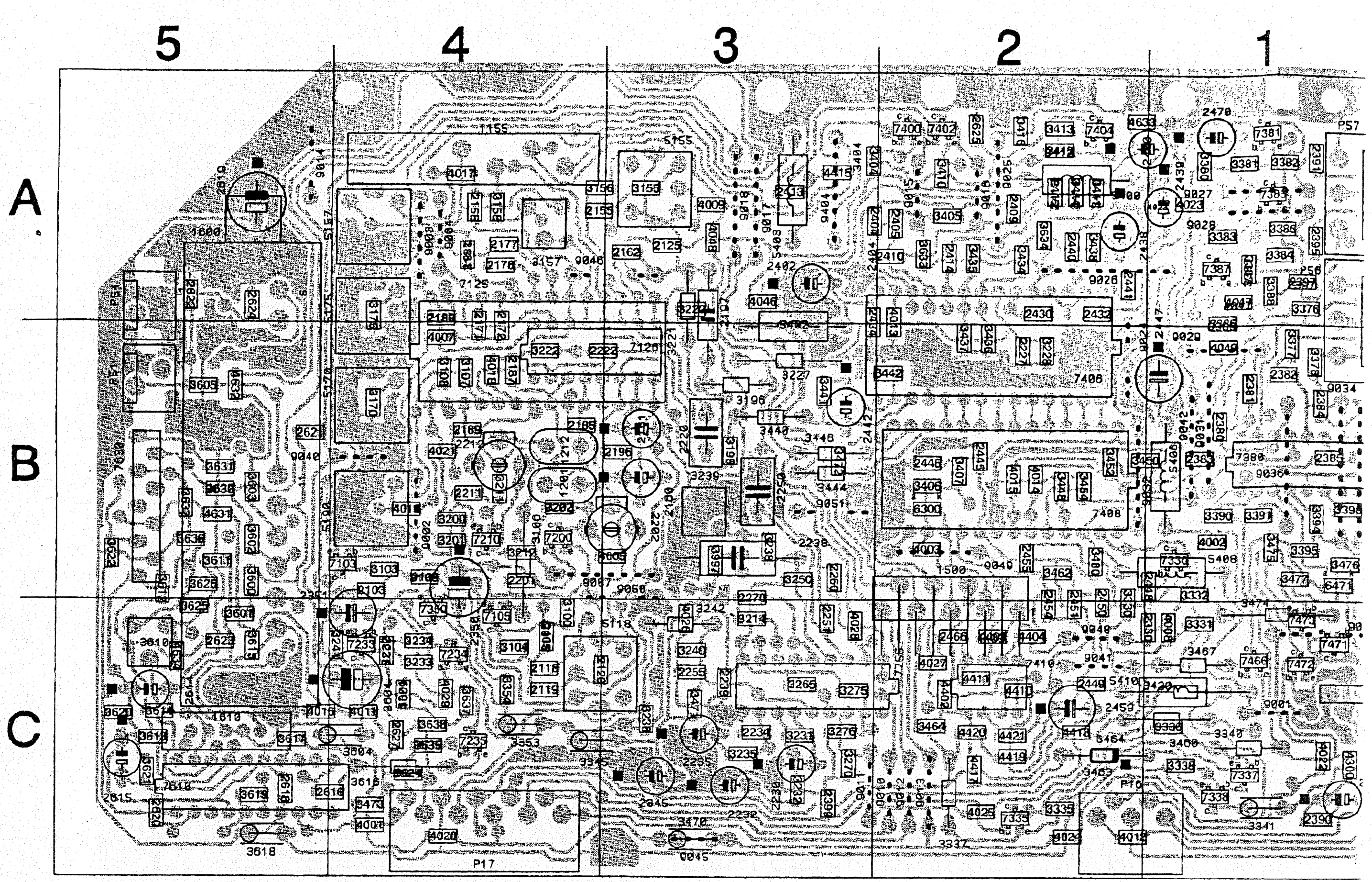
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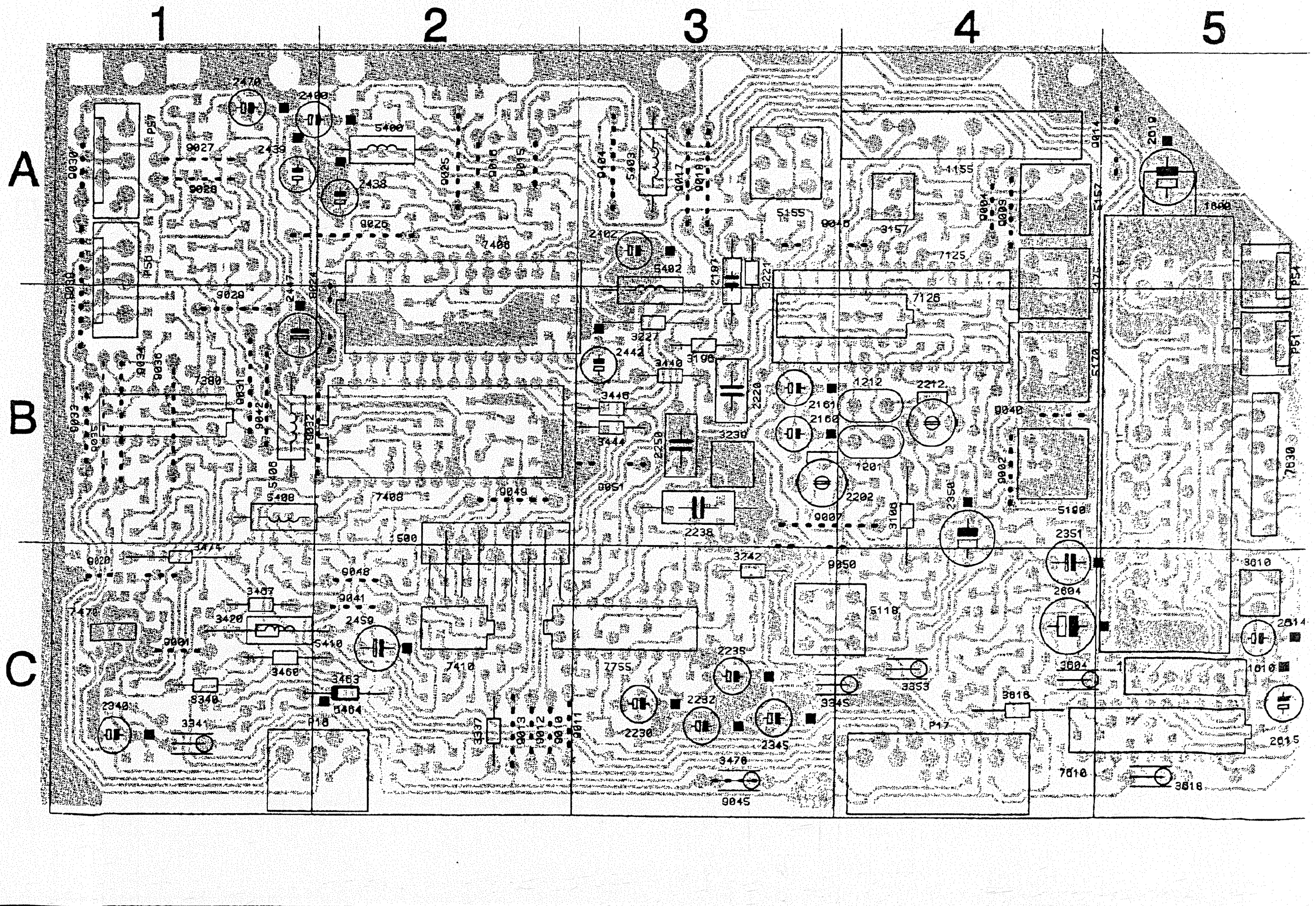
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2019
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6.28 6.29 **CHASSIS FL1.1**

Image dans l'image

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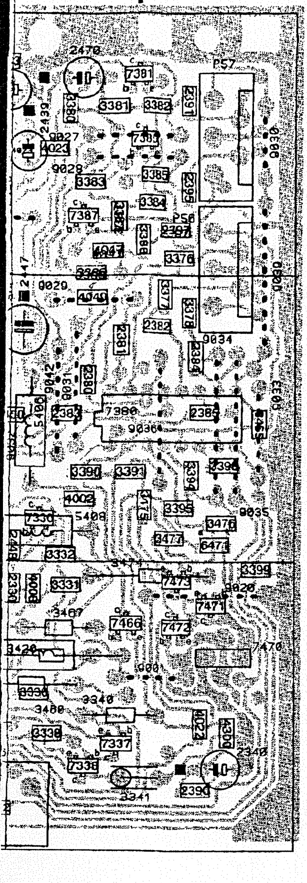
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P56
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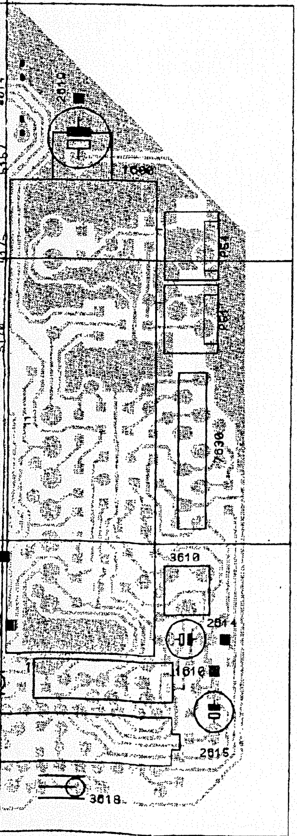
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P57	A1
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1212	B4
1500	B2
1600	B5
1610	C5
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2171	A4
2172	A4
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2180	A4
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2235	C3
2238	B3
2239	C3
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2270	B3
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3175	A4
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3335	C2
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3638	C4
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4009	A3
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4419	C2
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9017	A3
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9029	B1
9030	A1
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9036	B1
9039	A1
9040	B4
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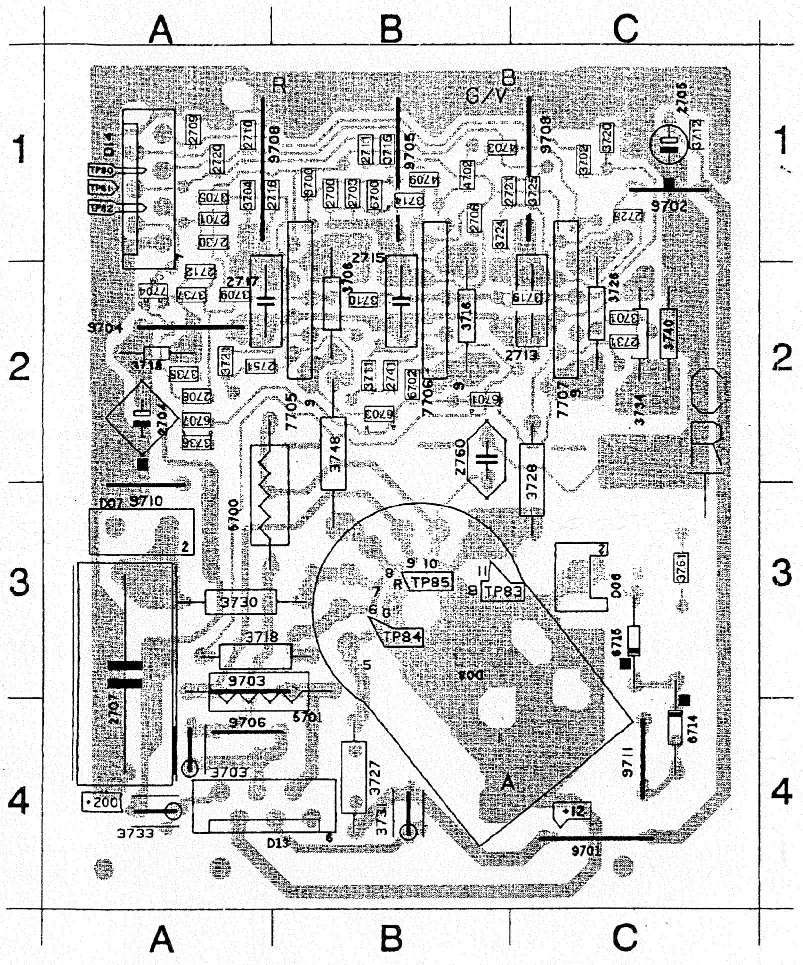
Picture tube panel / Bildröhren Platte /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6703
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6707
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9 10
R
TP85
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TP83
9
7
6
TP84
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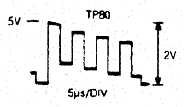

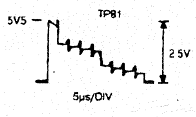

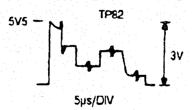

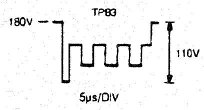

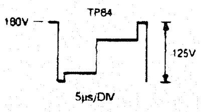

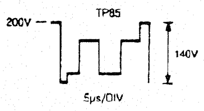

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2712	A2
2713	C2
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2716	A1
2717	A2
2720	A1
2721	B1
2726	C1
2730	A1
2731	C2
2741	B2
2751	A2
2760	B2
3700	B1
3701	C2
3702	C1
3703	A4
3704	A1
3705	A1
3706	B2
3709	A2
3710	B2
3711	B2
3712	C1
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3716	B2
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3719	C2
3720	C1
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3761	C3
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7706	B1
7707	C1
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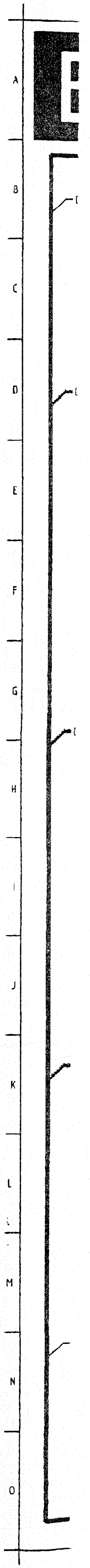
A
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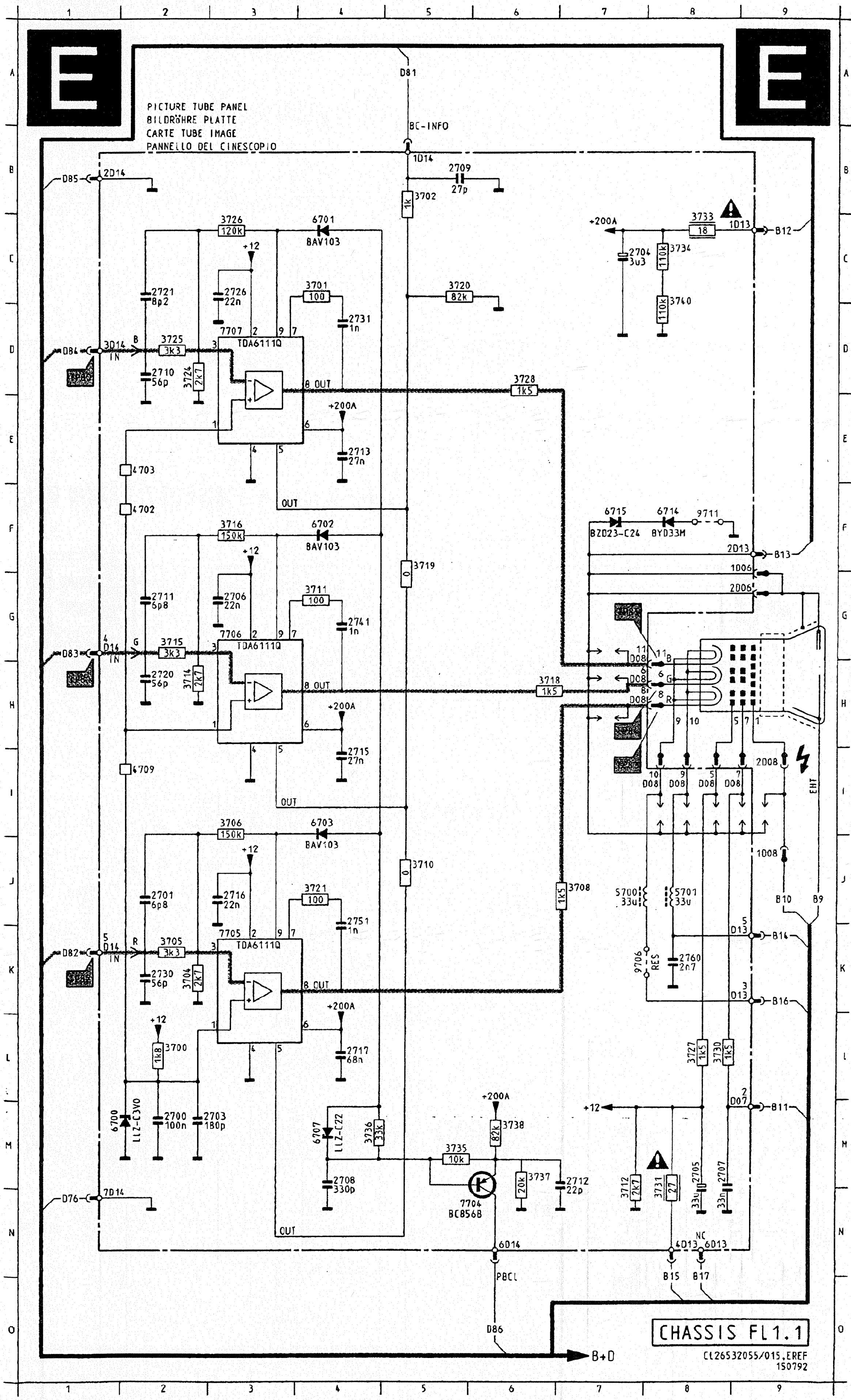
6.31 CHASSIS FL1.1 Platine TRC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PICTURE TUBE PANEL
BILDRÖHRE PLATTE
CARTE TUBE IMAGE
PANNELLO DEL CINESCOPIO
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2709 27p
3702 1k
D85
2D14
3726 120k
6701 BAV103
+12
2721 8p2
2726 22n
3701 100
2731 1n
3720 82k
D84
3D14 IN
B
3725 3k3
2710 56p
3724 2k7
7707 TDA6111Q
8 OUT
+200A
2713 27n
3728 1k5
OUT
4703
4702
3716 150k
6702 BAV103
3719 0
2711 6p8
2706 22n
3711 100
2741 1n
D83
4D14 IN
G
3715 3k3
2720 56p
3714 2k7
7706 TDA6111Q
2715 27n
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3706 150k
6703 BAV103
3710 0
2701 6p8
2716 22n
3721 100
2751 1n
D82
5D14 IN
R
3705 3k3
2730 56p
3704 2k7
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2717 68n
3708 1k5
3700 1k8
6700 LLZ-C3V0
2700 100n
2703 180p
6707 LLZ-C22
3736 33k
2708 330p
3735 10k
3738 82k
7704 BC856B
3737 20k
2712 22p
D76
7D14
6D14
PBCL
D86
B+D
+200A
3733 18
1D13
B12
2704 3u3
3734 110k
3740 110k
6715 BZD23-C24
6714 BYD33M
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2D13
B13
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2D06
D08
2D08
EHT
1D08
B10
B9
5700 33u
5701 33u
9706 RES
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5D13
B14
3D13
B16
3727 1k5
3730 1k5
2D07
B11
+12
3712 2k7
3731 27
2705 33u
2707 33n
NC
4D13
6D13
B15
B17
CHASSIS FL1.1
CL26532055/015.EREF
150792

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2703	M 2
2704	C 7
2705	M 8
2706	G 3
2707	M 8
2708	M 4
2709	B 5
2710	D 2
2711	G 2
2712	M 7
2713	E 4
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2716	J 3
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3731	M 8
3733	C 8
3734	C 8
3735	M 5
3736	M 4
3737	M 6
3738	M 6
3740	C 8
4702	F 2
4703	E 2
4709	I 2
5700	J 7
5701	J 8
6700	M 1
6701	C 4
6702	F 4
6703	I 4
6707	M 4
6714	F 8
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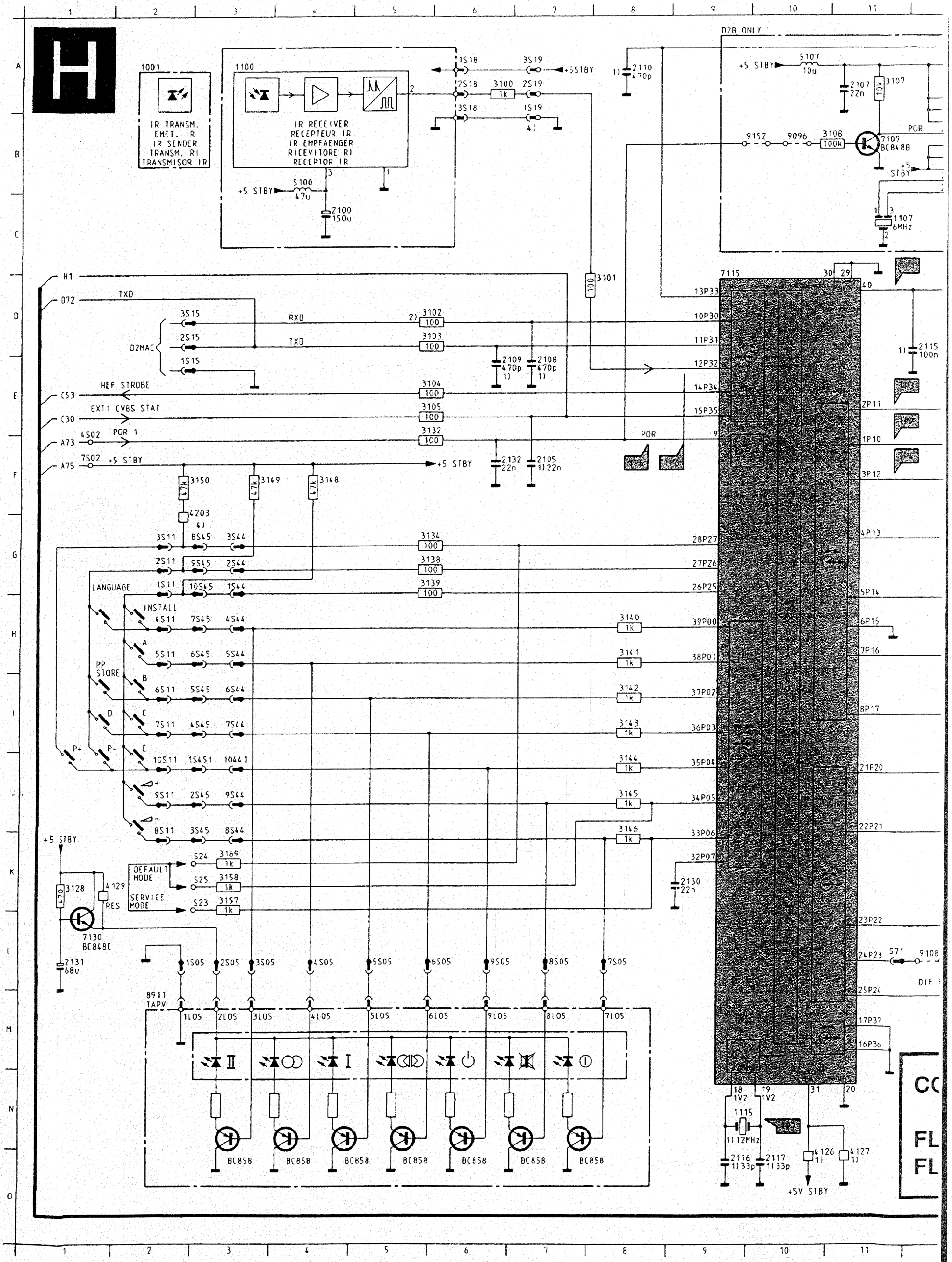
Control / Bedienung / Commande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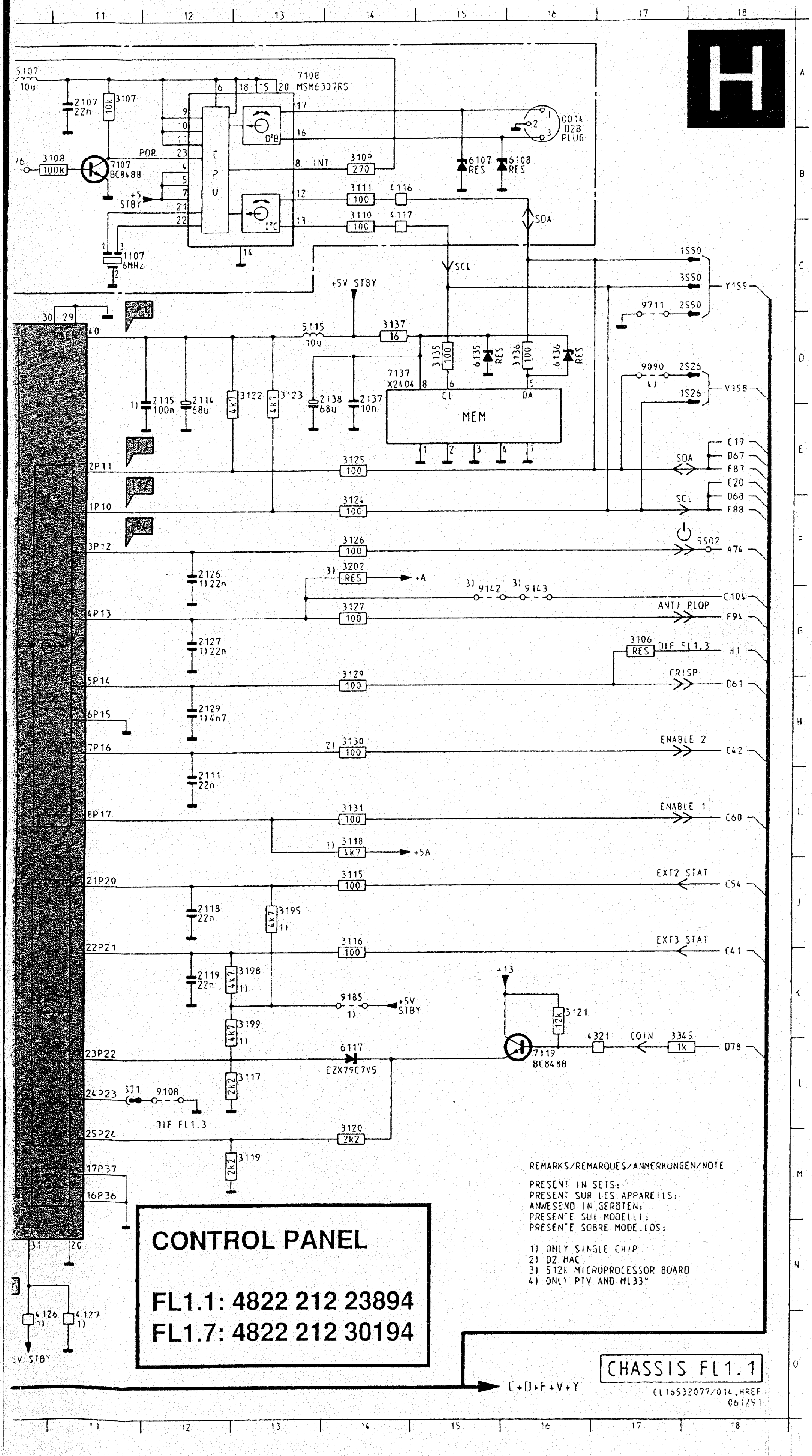
1001
IR TRANSM.
EMET. IR
IR SENDER
TRANSM. RI
TRANSMISOR IR
1100
IR RECEIVER
RECEPTEUR IR
IR EMPFAENGER
RICEVITORE RI
RECEPTOR IR
+5 STBY
5100 47u
2100 150u
1S18
2S18
3S18
3100 1k
3S19
2S19
1S19
+5STBY
2110 470p
DZB ONLY
5107 10u
2107 22n
3107 10k
9152
9096
3108 100k
7107 BC848B
POR
1107 6MHz
3101 100
H1
D72
TXD
RXD
DZMAC
3S15
2S15
1S15
3102 100
3103 100
2109 470p
2108 470p
HEF STROBE
C53
EXT1 CVBS STAT
C30
4S02
POR 1
A73
7S02
+5 STBY
A75
3104 100
3105 100
3132 100
2132 22n
2105 22n
3150 47k
3149 47k
3148 47k
4203
3S11
8S45
3S44
2S11
5S45
2S44
LANGUAGE
1S11
10S45
1S44
INSTALL
4S11
7S45
4S44
A
5S11
6S45
5S44
PP STORE
B
6S11
5S45
6S44
C
D
7S11
4S45
7S44
P+
P-
E
10S11
1S4S1
10441
9S11
2S45
9S44
8S11
3S45
8S44
3134 100
3138 100
3139 100
3140 1k
3141 1k
3142 1k
3143 1k
3144 1k
3145 1k
3146 1k
3169 1k
3158 1k
3157 1k
S24
S25
S23
DEFAULT MODE
SERVICE MODE
2130 22n
3128 470
4129
RES
7130 BC848C
2131 68u
1S05
2S05
3S05
4S05
5S05
6S05
9S05
8S05
7S05
8911 TAPV
1L05
2L05
3L05
4L05
5L05
6L05
9L05
8L05
7L05
BC858
7115
13P33
10P30
11P31
12P32
14P34
15P35
9
28P27
27P26
26P25
39P00
38P01
37P02
36P03
35P04
34P05
33P06
32P07
30
29
40
2P11
1P10
3P12
4P13
5P14
6P15
7P16
8P17
21P20
22P21
23P22
24P23
25P24
17P37
16P36
2115 100n
S71
9108
DIF
18 1V2
19 1V2
31
20
1115 12MHz
2116 33p
2117 33p
4126
4127
+5V STBY
CC
FL
FL
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
1
2
3
4
5
6
7
8
9
10
11


11
12
13
14
15
16
17
18
H
5107 10u
2107 22n
3107 10k
7108 MSM6307RS
6
18
15
20
17
16
9
10
11
23
CPU
D²B
I²C
POR
3108 100k
7107 BC848B
+5 STBY
1107 6MHz
14
8 INT
3109 270
12
13
3111 100
4116
3110 100
4117
6107 RES
6108 RES
C014 D2B PLUG
SDA
SCL
1S50
3S50
Y159
9711 2S50
+5V STBY
5115 10u
3137 16
40
30
29
2115 100n
2114 68u
3122 4k7
3123 4k7
2138 68u
2137 10n
3135 100
6135 RES
3136 100
6136 RES
7137 X2404
MEM
CL
DA
9090 2S26
1S26
V158
2P11
1P10
3P12
4P13
5P14
6P15
7P16
8P17
21P20
22P21
23P22
24P23
25P24
17P37
16P36
31
20
3125 100
3124 100
3126 100
3127 100
3129 100
3130 100
3131 100
3115 100
3116 100
3120 2k2
C19
D67
F87
C20
D68
F88
SDA
SCL
S502
A74
2126 22n
3202 RES
+A
9142
9143
C104
ANTI PLOP
F94
2127 22n
3106 RES
DIF FL1.3
H1
CRISP
C61
2129 4n7
ENABLE 2
C42
2111 22n
ENABLE 1
C60
3118 4k7
+5A
EXT2 STAT
C54
2118 22n
3195 4k7
EXT3 STAT
C41
2119 22n
3198 4k7
9185
+5V STBY
+13
3121 12k
3199 4k7
6117 EZX79C7V5
7119 BC848B
4321
COIN
3345 1k
D78
3117 2k2
S71
9108
DIF FL1.3
3119 2k2
4126
4127
5V STBY
C+D+F+V+Y
CHASSIS FL1.1
CL 16532077/014.HREF 061291

CONTROL PANEL

FL1.1: 4822 212 23894

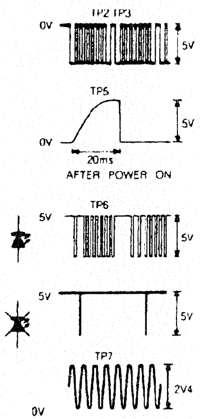
FL1.7: 4822 212 30194

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) ONLY SINGLE CHIP
2) D2 MAC
3) 512k MICROPROCESSOR BOARD
4) ONLY PTV AND ML33"

0014	A15
1001	A 2
1100	A 3
1107	C11
1115	N 9
2100	C 4
2105	F 7
2107	A11
2108	E 7
2109	E 6
2110	A 3
2111	I 12
2114	D12
2115	D12
2116	D 9
2117	D10
2118	J12
2119	K12
2126	F12
2127	G12
2129	H12
2130	K 9
2131	L 1
2132	F 6
2137	D14
2138	D13
3100	A 6
3101	D 8
3102	D 5
3103	D 5
3104	E 5
3105	E 5
3106	G17
3107	A11
3108	B11
3109	B14
3110	B14
3111	B14
3115	J14
3116	J14
3117	L13
3118	I 14
3119	M13
3120	M14
3121	K16
3122	D13
3123	D13
3124	F14
3125	E14
3126	F14
3127	G14
3128	K 1
3129	H14
3130	H14
3131	I 14
3132	F 5
3134	G 5
3135	D15
3136	D16
3137	D14
3138	G 5
3139	G 5
3140	H 8
3141	H 8
3142	I 8
3143	I 8
3144	J 8
3145	J 8
3146	K 8
3148	F 4
3149	F 3
3150	F 2
3157	K 3
3158	K 3
3169	K 3
3195	J13
3198	K13
3199	K13
3202	F14
3345	L17
4116	B14
4117	B14
4126	D10
4127	D11
4129	K 1
4203	G 2
4321	L17
5100	B 4
5107	A10
5115	D13
6107	B15
6108	B16
6117	L14
6135	D15
6136	D16
7107	B11
7108	A13
7119	L16
7130	L 1
7137	D14
8911	M 2
9090	D17
9096	B10
9108	L12
9142	G15
9143	G16
9152	B10
9185	K14
9711	C17

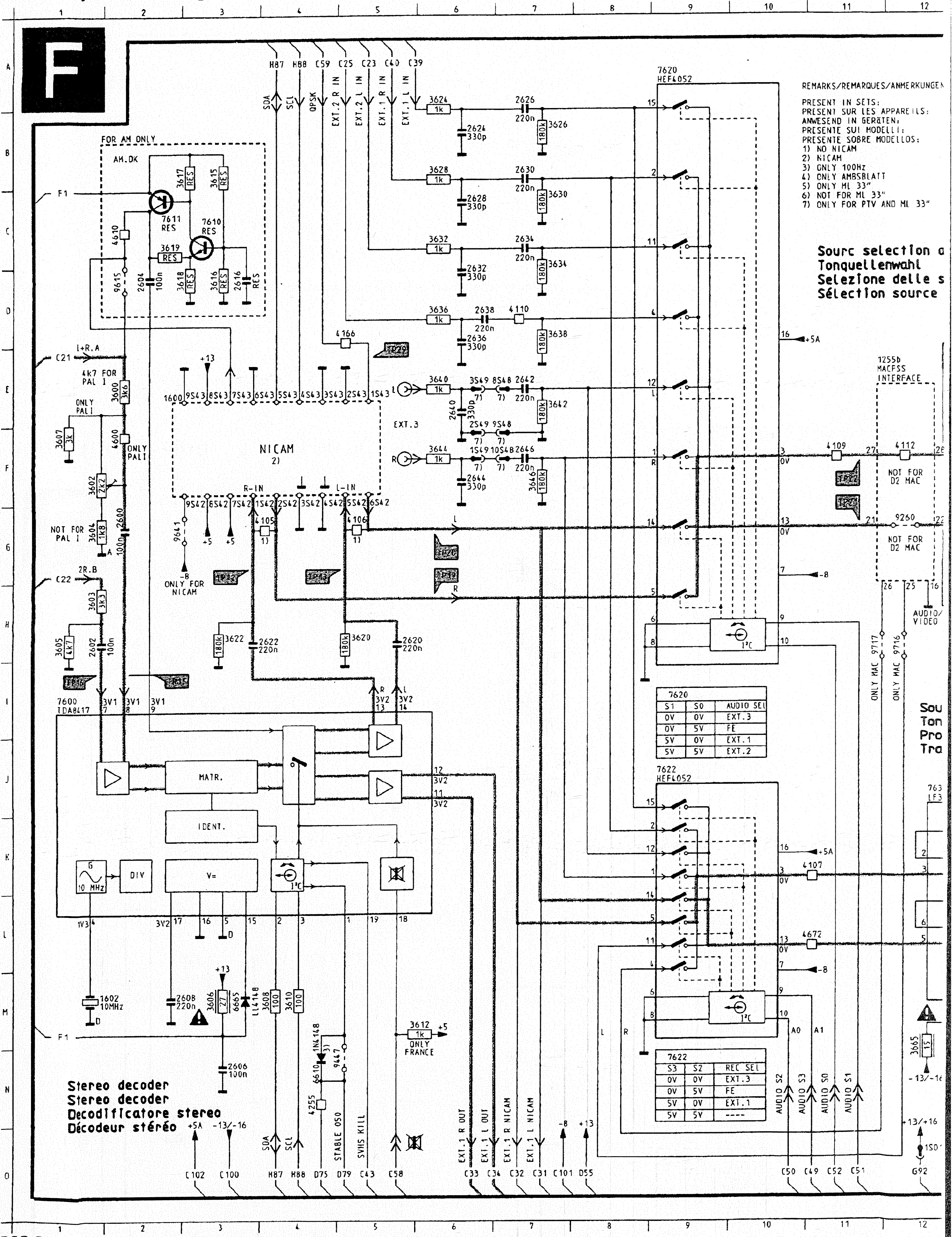


19-IC7000 µPROC BOARD

PRS 06956
T-26/'13

Audio processing

Ton Verarbeitung


F
1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G H I J K L M N O
H87 H88 C59 C25 C23 C40 C39
SDA SCL QPSK EXT.2 R IN EXT.2 L IN EXT.1 R IN EXT.1 L IN
FOR AM ONLY
AM.DK
7611 RES
7610 RES
NICAM 2)
EXT.3
7600 TDA8417
MATR.
IDENT.
DIV
V=
10 MHz
I²C
7620 HEF4052
7622 HEF4052
1255b MACFSS INTERFACE
NOT FOR D2 MAC
ONLY MAC
AUDIO/VIDEO
ONLY FOR NICAM
ONLY FRANCE
ONLY PAL I
NOT FOR PAL I
4k7 FOR PAL I
STABLE 050
SVHS KILL
EXT.1 R OUT
EXT.1 L OUT
EXT.1 R NICAM
EXT.1 L NICAM
AUDIO S2
AUDIO S3
AUDIO S0
AUDIO S1
C102 C100 H87 H88 D75 D79 C43 C58 C33 C34 C32 C31 C101 D55 C50 C49 C52 C51 G92

REMARKS/REMARQUES/ANMERKUNGEN

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"

Sourc selection a
Tonquellenwahl
Selezione delle s
Sélection source

7620		
S1	S0	AUDIO SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	EXT.2

7622		
S3	S2	REC SEL
0V	0V	EXT.3
0V	5V	FE
5V	0V	EXT.1
5V	5V	----

Stereo decoder
Stereo decoder
Decodificatore stereo
Décodeur stéréo

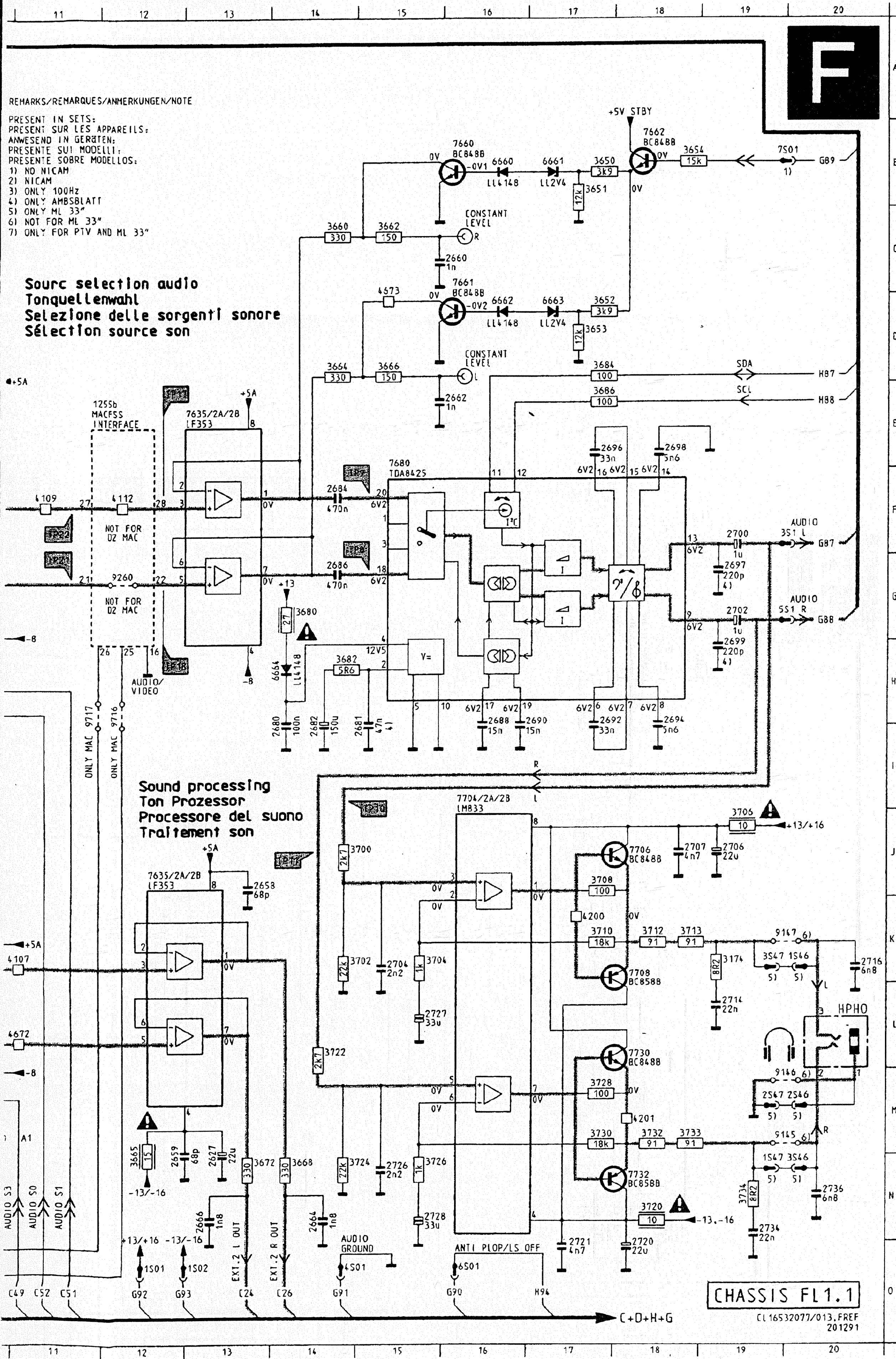
Traitement audio

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERäTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:
1) NO NICAM
2) NICAM
3) ONLY 100Hz
4) ONLY AMBSBLATT
5) ONLY ML 33"
6) NOT FOR ML 33"
7) ONLY FOR PTV AND ML 33"

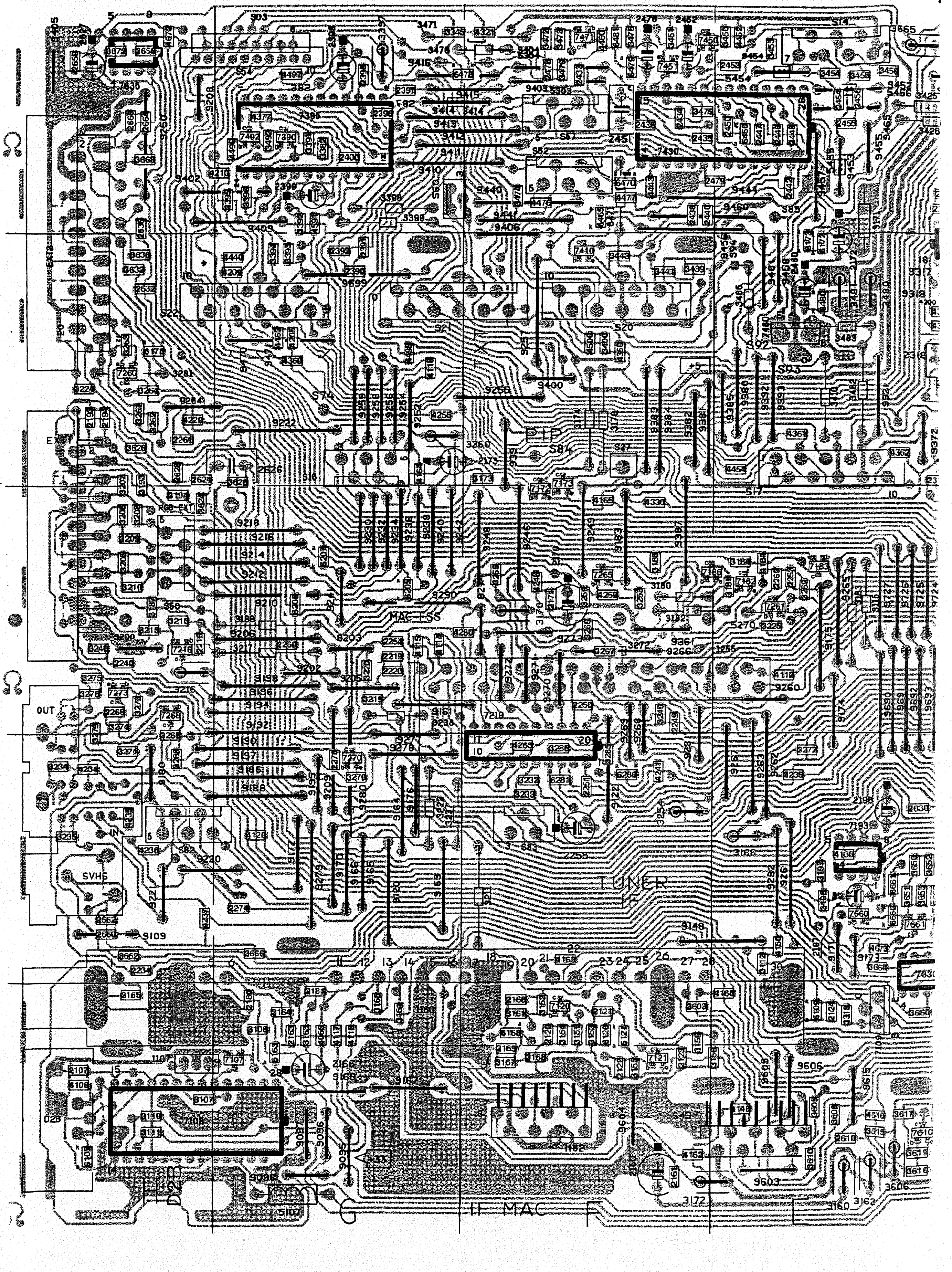
Sourc selection audio
Tonquellenwahl
Selezione delle sorgenti sonore
Sélection source son

Sound processing
Ton Prozessor
Processore del suono
Traitement son

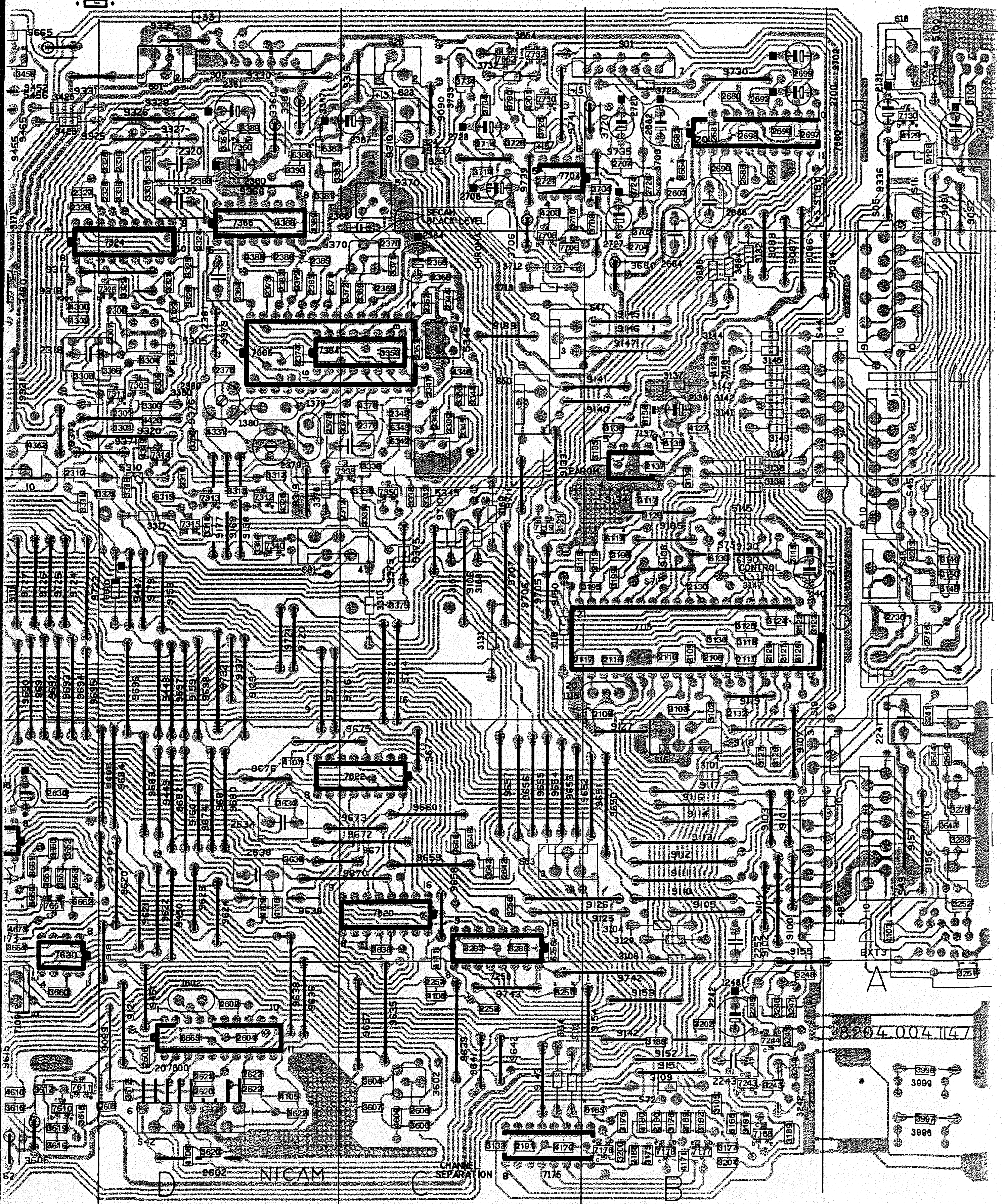

11
12
13
14
15
16
17
18
19
20
F
+5V STBY
7660
BC848B
0V
0V1
6660
LL4148
6661
LL2V4
3650
3k9
3651
12k
7662
BC848B
3654
15k
7S01
1)
G89
3660
330
3662
150
CONSTANT LEVEL
R
2660
1n
4673
7661
BC848B
0V2
6662
LL4148
6663
LL2V4
3652
3k9
3653
12k
3664
330
3666
150
CONSTANT LEVEL
L
2662
1n
3684
100
SDA
H87
3686
100
SCL
H88
+5A
1255b
MACFSS
INTERFACE
7635/2A/2B
LF353
4109
4112
NOT FOR D2 MAC
9260
2684
470n
2686
470n
7680
TDA8425
2696
33n
2698
5n6
6V2
+13
3680
27
6664
LL4148
3682
5R6
12V5
V=
2680
100n
2682
150u
2681
47n
2688
15n
2690
15n
2692
33n
2694
5n6
2700
1u
2697
220p
4)
AUDIO
3S1 L
G87
2702
1u
2699
220p
AUDIO
5S1 R
G88
-8
AUDIO/VIDEO
ONLY MAC 9717
ONLY MAC 9716
R
L
7704/2A/2B
LM833
3706
10
+13/+16
3700
2k7
7706
BC848B
2707
4n7
2706
22u
3708
100
4200
3710
18k
3712
91
3713
91
9147 6)
3S47 1S46
5) 5)
2716
6n8
3174
8R2
2714
22n
7708
BC858B
3702
22k
2704
2n2
3704
1k
2727
33u
HPHO
3722
2k7
7730
BC848B
3728
100
4201
9146 6)
2S47 2S46
3730
18k
3732
91
3733
91
9145 6)
1S47 3S46
2736
6n8
3734
8R2
2734
22n
7732
BC858B
3720
10
-13,-16
7635/2A/2B
LF353
2658
68p
4107
4672
3665
15
2659
68p
2627
22u
-13/-16
3672
330
3668
330
3724
22k
2726
2n2
3726
1k
2728
33u
2721
4n7
2720
22u
+13/+16
-13/-16
2666
1n8
2664
1n8
1S01
1S02
EXT.2 L OUT
EXT.2 R OUT
AUDIO GROUND
4S01
ANTI PLOP/LS OFF
6S01
A1
AUDIO S3
AUDIO S0
AUDIO S1
C49
C52
C51
G92
G93
C24
C26
G91
G90
H94
C+D+H+G
CHASSIS FL1.1
CL 16532077/013.FREF
201291

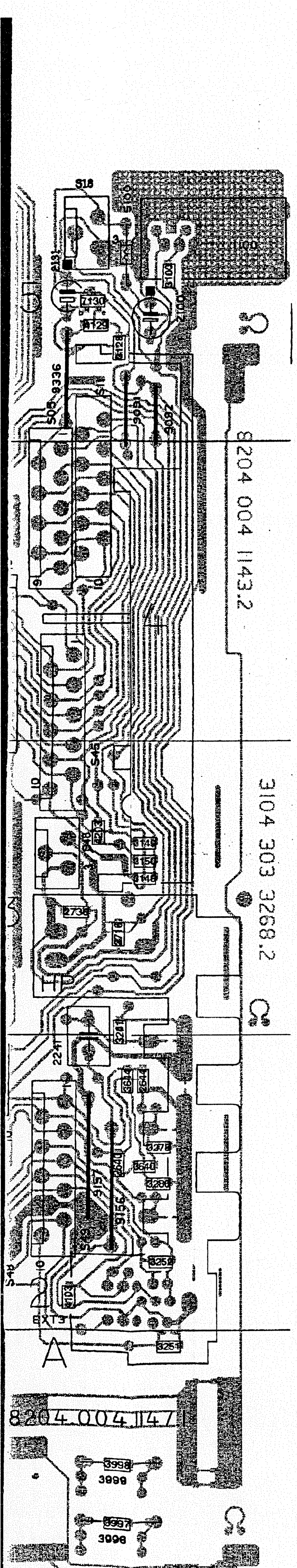
1255	E11
1600	E 2
1602	M 1
2600	G 2
2602	H 1
2604	D 2
2606	N 3
2608	M 2
2616	D 3
2620	H 5
2622	H 3
2624	B 6
2626	A 7
2627	M13
2628	C 6
2630	B 7
2632	D 6
2634	C 7
2636	D 6
2638	D 6
2640	E 6
2642	E 7
2644	F 6
2646	F 7
2658	J13
2659	M12
2660	C16
2662	E16
2664	N14
2666	N13
2680	H14
2681	H15
2682	H14
2684	F14
2686	G14
2688	H16
2690	H16
2692	H17
2694	H18
2696	E17
2697	G19
2698	E18
2699	H19
2700	F19
2702	G19
2704	K15
2706	J19
2707	J18
2714	L19
2716	K20
2720	O18
2721	O17
2726	N15
2727	L15
2728	N15
2734	N19
2736	N20
3174	K19
3600	E 2
3602	F 1
3603	H 1
3604	G 1
3605	H 1
3606	M 3
3607	F 1
3608	M 4
3610	M 4
3612	M 6
3615	B 3
3616	D 3
3617	B 3
3618	D 3
3619	C 2
3620	H 5
3622	H 3
3624	A 6
3626	B 7
3628	B 6
3630	C 7
3632	C 6
3634	C 7
3636	D 6
3638	D 7
3640	E 6
3642	E 7
3644	F 6
3646	F 7
3650	B17
3651	B17
3652	D17
3653	D17
3654	B18
3660	C14
3662	C15
3664	D14
3665	M12
3666	D15
3668	N14
3672	N13
3680	G14
3682	H14
3684	D17
3686	E17
3700	J14
3702	K14
3704	K15
3706	J19
3708	J17
3710	K17
3712	K18
3713	K18
3720	N18
3722	L14
3724	N14
3726	N15
3728	M17
3730	M17
3732	M18
3733	M18
3734	N19
4105	G 4
4106	G 5
4107	K11
4109	F11
4110	D 7
4112	F12
4166	D 5
4200	K17
4201	M18
4255	N 4
4600	F 2
4610	C 2
4672	L11
4673	C15
6610	N 4
6660	B16
6661	B17
6662	D16
6663	D17
6664	H14
6665	M 3
7600	I 1
7610	C 3
7611	C 2
7620	A 9
7622	J 9
7635	E12
7635	J12
7660	B16
7661	C16
7662	B18
7680	E15
7704	I16
7706	J18
7708	K18
7730	L18
7732	N18
9145	M20
9146	M20
9147	K20
9260	G12
9447	N 5
9615	D 2
9641	G 2
9716	H12
9717	H11

Small signal panel Klein-signal Platte


EXT 2
EXT 1
OUT
IN
SVHS
RGB-EXT
PIP
MAC-ESS
TUNER
IF
IF MAC
+5

Platine à petite signaux


SECAM
BLACK LEVEL
CHROMA
PAROM
CONTROL
STBY
NICAM
CHANNEL
SEPARATION
A
B
C
D
8204 004 147
7324
7385
7365
7364
7115
7622
7620
7630
7176
3999
3998



D2B	H1
EXT1	H3
EXT2	H4
EXT3	A3
S01	B5
S02	D5
S03	H5
S05	A4
S11	A5
S14	E5
S15	B2
S16	G4
S17	E4
S18	A5
S19	B2
S20	F4
S21	F4
S22	G4
S23	C5
S24	C5
S25	C5
S26	C5
S27	F4
S42	D1
S43	F1
S44	B4
S45	A4
S46	A3
S47	C4
S48	B2
S49	A2
S50	C4
S51	D5
S52	F5
S53	C2
S54	H5
S56	H3
S57	F5
S60	G5
S81	D3
S82	G2
S83	F2
SVHS	H2
1100	A5
1107	H1
1115	B3
1160	E2
1162	F1
1248	B1
1379	D4
1380	D4
1602	D1
2100	A5
2105	B3
2107	H1
2108	B3
2109	B3
2110	B3
2111	B3
2114	B3
2115	B3
2116	B3
2117	B3
2118	C3
2119	B3
2120	F1
2121	F1
2122	F1
2123	F1
2124	E1
2126	B3
2127	B3
2129	B3
2130	B3
2131	A5
2132	B3
2137	B4
2138	B4
2160	F1
2161	F1
2163	G1
2164	G1
2165	H1
2166	G1
2168	F1
2169	F1
2170	F3
2171	F3
2172	E4
2173	G4
2180	G1
2181	G1
2188	B1
2189	B1
2190	B1
2191	C1
2193	H4
2194	H4
2196	E2
2197	E2
2216	H3
2218	G3
2220	G3
2234	H2
2240	H3
2241	A2
2242	B1
2243	B1
2245	B1
2249	F3
2250	F3
2251	F2
2252	B2
2253	E3
2254	G3
2256	F2
2257	C1
2258	C1
2260	G3
2261	H4
2268	H3
2269	E3
2270	G2
2274	G2
2301	D4
2305	D4
2306	D4
2307	D4
2310	E4
2311	D4
2312	C3
2318	E4
2320	D5
2322	D5
2324	D4
2326	E5
2327	E5
2328	D5
2330	D5
2331	D5
2338	C3
2342	C4
2343	C4
2344	C4
2345	C4
2347	C4
2353	C4
2360	D5
2361	D5
2364	C4
2365	C5
2366	C4
2367	C4
2368	C4
2369	C4
2370	C4
2371	D4
2372	D4
2373	D4
2374	D4
2375	D4
2376	C4
2377	C4
2378	D4
2379	D4
2380	D4
2381	D4
2382	D4
2383	D4
2384	D4
2385	D4
2386	D4
2387	C5
2388	D5
2389	D5
2390	G4
2391	G4
2392	G4
2395	G5
2396	G5
2397	G5
2398	G5
2399	G5
2400	G5
2433	F5
2434	F5
2435	F5
2436	F5
2438	F5
2440	F5
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2445	E5
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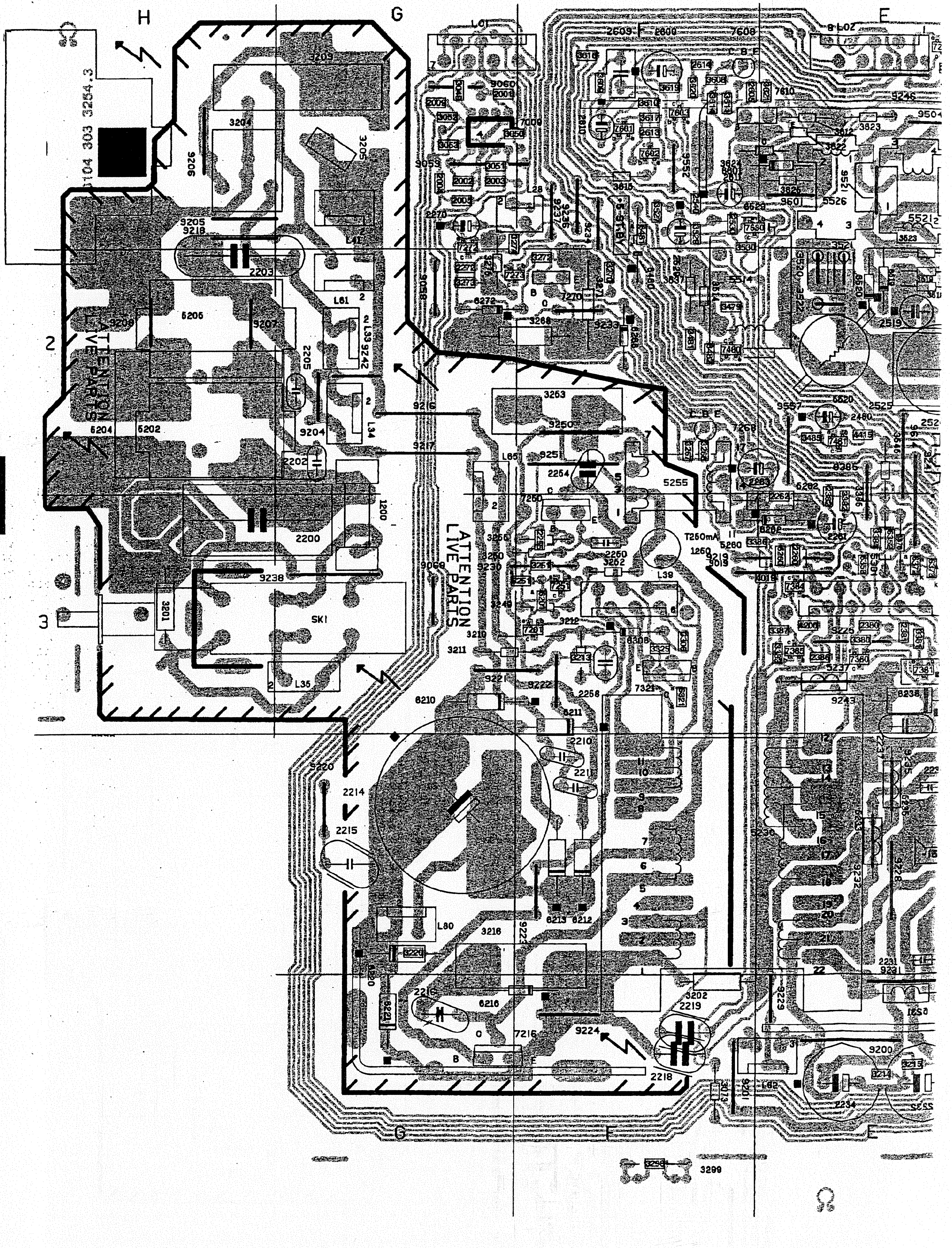
Large signal panel

Großsig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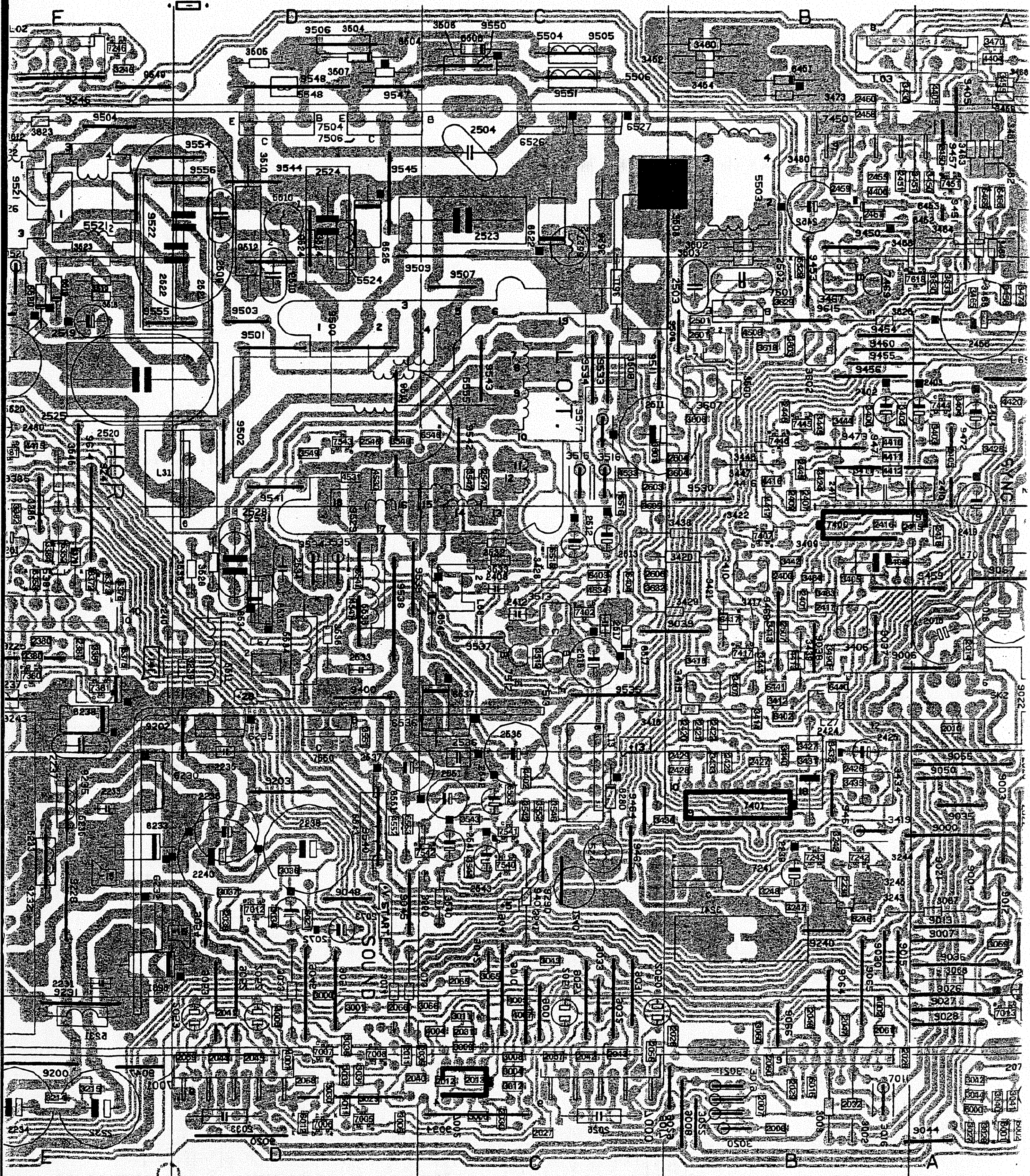
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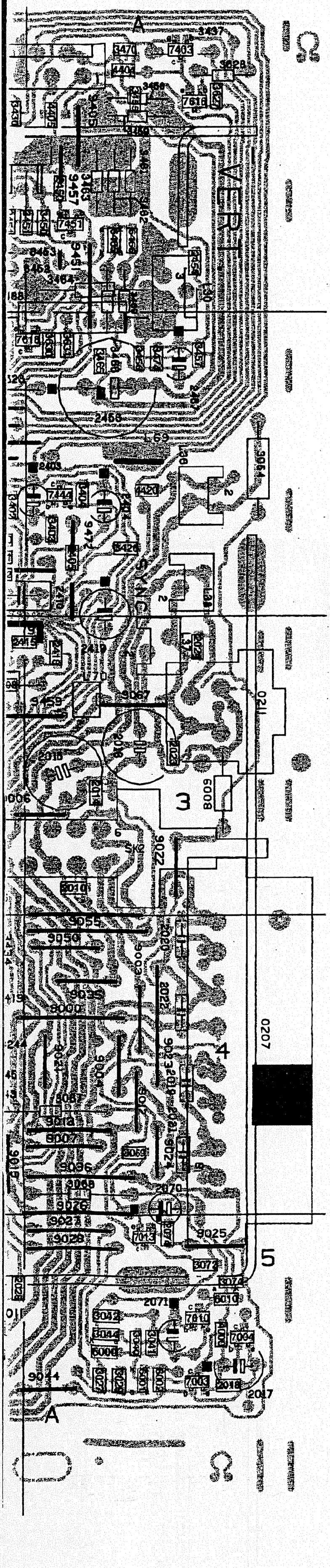

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2321	H5
2331	H4
2351	H4
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2361	H4
2365	H4
2372	H4
2374	H4
2376	H4
2380	E3
2381	E3
2382	E3
2386	E3
2400	B3
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2402	B2
2403	A2
2404	A2
2405	A2
2406	B3
2407	B2
2408	C3
2409	B2
2410	B2
2411	B2
2412	C3
2415	A3
2416	B3
2417	B3
2418	A3
2419	A2
2420	B3
2421	B3
2422	B3
2423	B4
2424	B4
2425	B4
2426	B4
2427	B4
2428	B4
2429	B4
2445	B2
2446	B2
2450	A1
2451	B1
2452	B1
2454	A1
2455	B1
2456	A2
2457	A2
2458	B1
2459	B1
2460	B1
2461	B1
2480	E2
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2502	B2
2503	B2
2504	C1
2509	D1
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3031	D5
3032	D5
3033	D4
3034	D4
3035	D5
3036	D4
3037	D4
3040	A5
3041	A5
3042	A5
3043	C4
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3049	G1
3050	G1
3051	G1
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3053	G1
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3060	B5
3065	C4
3066	C5
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3068	A4
3069	A4
3072	A5
3073	F5
3074	A5
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3212	F3
3213	F3
3214	E5
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3241	B4
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3272	F2
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3275	G2
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3312	H5
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3350	H4
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3357	H4
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3360	H4
3362	H4
3364	H4
3365	H4
3366	H4
3368	H4
3369	H4
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3372	H4
3374	H4
3375	H4
3376	E3
3378	H4
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3383	E3
3384	E3
3385	E2
3386	E3
3387	E3
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3402	B2
3403	A2
3404	A2
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3414	B3
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3429	B3
3430	B1
3431	B4
3432	B4
3433	B4
3434	B4
3435	B4
3436	B4
3437	A1
3438	B3
3439	B3
3440	B4
3441	B3
3442	B3
3444	B2
3445	B2
3446	B2
3447	B2
3450	A1
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3536	D3
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3601	C2
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3603	B2
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4007	C5
4019	E3
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4402	C4
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4420	A2
4508	B2
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4541	D3
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5235	E4
5237	E3
5241	C4
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5260	E3
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5381	E3
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5521	E1
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6318	H5
6319	H5
6321	F3
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6355	H4
6356	H4
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6370	H4
6371	H4
6372	E3
6373	E3
6375	E3
6376	E3
6402	B3
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6417	B3
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6453	B1
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6466	A1
6480	F1
6481	F1
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6506	C1
6515	C3
6516	C2
6517	C3
6519	E2
6520	E2
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6551	D4
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6601	E1
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7001	D5
7002	C5
7003	A5
7004	A5
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9008	B5
9010	C5
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9013	A4
9015	B4
9017	B5
9019	E3
9020	D5
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9022	A3
9023	A4
9024	A4
9025	A5
9026	A4
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9028	A5
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9035	A4
9036	A4
9037	B3
9038	B3
9039	B3
9041	C4
9042	C4
9043	D5
9044	A5
9045	D4
9046	D4
9047	E5
9048	D4
9050	A4
9051	D4
9052	D4
9053	D5
9054	D4
9055	A4
9056	A3
9057	C5
9058	G2
9059	G1
9060	G1
9064	B5
9065	B4
9066	B5
9067	A3
9068	G3
9200	E5
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9202	D3
9203	D4
9204	G2
9205	H1
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9208	H2
9216	G2
9217	G2
9218	H1
9219	E3
9220	G4
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9232	E4
9233	F2
9234	F1
9235	E4
9236	F1
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9238	G3
9240	B4
9241	E3
9242	G2
9243	E3
9246	E1
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9251	F2
9290	C4
9300	H5
9302	H4
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9401	C4
9405	A1
9450	B1
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9454	B2
9455	B2
9456	B2
9457	A1
9459	B3
9460	B2
9461	B4
9462	C4
9464	C4
9468	B3
9471	B2
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9473	B2
9500	D2
9501	D2
9502	D2
9503	D2
9504	E1
9505	C1
9506	D1
9507	C2
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9512	D2
9521	E1
9522	E1
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9541	D2
9542	C2
9543	C2
9544	D1
9545	D1
9547	D1
9548	D1
9549	E1
9550	C1
9551	C1
9552	F1
9554	D1
9555	E2
9556	D1
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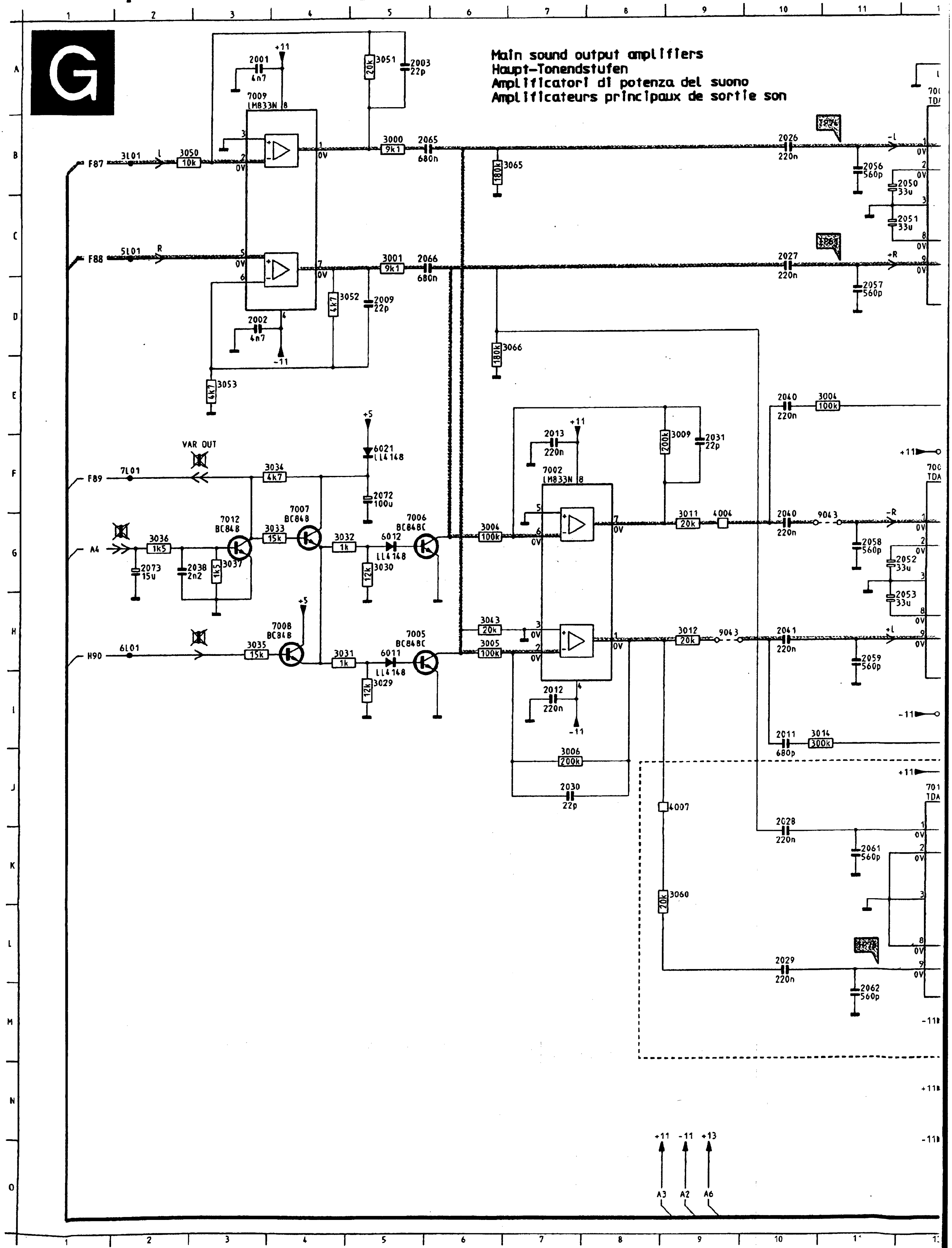
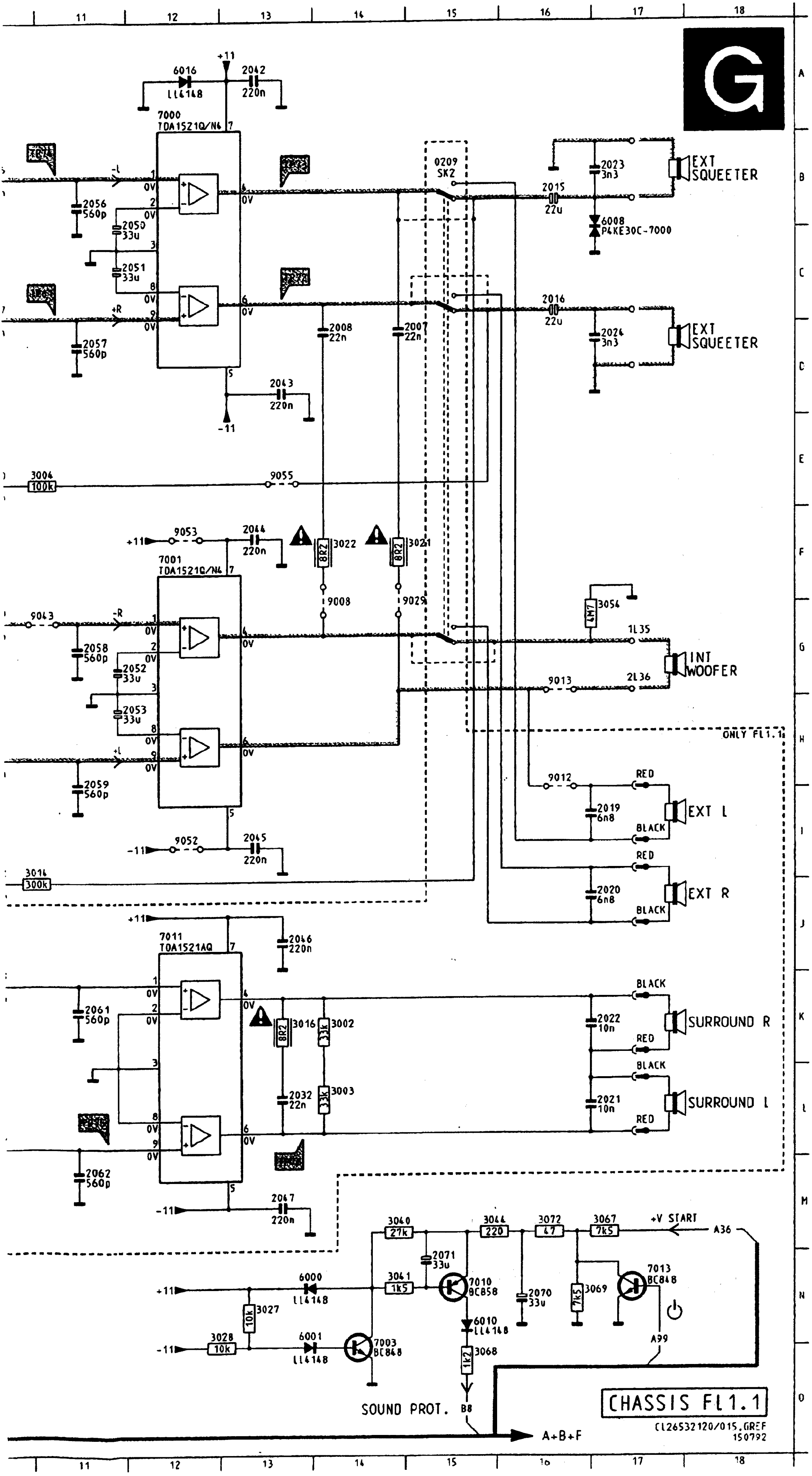
Audio amplification / Tonsignal Verstärker /



Main sound output amplifiers
Haupt-Tonendstufen
Amplificatori di potenza del suono
Amplificateurs principaux de sortie son

G
1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
F87
3L01
L
3050
10k
F88
5L01
R
F89
7L01
VAR OUT
A4
H90
6L01
2001
4n7
+11
7009
LM833N
8
3051
20k
2003
22p
3000
9k1
2065
680n
3065
180k
2026
220n
2056
560p
2050
33u
2051
33u
3001
9k1
2066
680n
3052
4k7
2009
22p
2002
4n7
-11
3053
4k7
3066
180k
2027
220n
2057
560p
+5
6021
LL4148
3034
4k7
2072
100u
3036
1k5
2073
15u
2038
2n2
3037
1k5
7012
BC848
3033
15k
7007
BC848
3032
1k
6012
LL4148
3030
12k
7006
BC848C
3004
100k
7008
BC848
3035
15k
3031
1k
6011
LL4148
3029
12k
7005
BC848C
3043
20k
3005
100k
2013
220n
7002
LM833N
3009
200k
2031
22p
3011
20k
4004
2040
220n
9043
2058
560p
2052
33u
2053
33u
3012
20k
2041
220n
2059
560p
2012
220n
3006
200k
2030
22p
3004
100k
2011
680p
3014
300k
4007
3060
20k
2028
220n
2061
560p
2029
220n
2062
560p
-L
+R
-R
+L
OV
+11
-11
700
TDA
701
TDA
+11
-11
+13
A3
A2
A6

CHASSIS FL1.1 Amplificateur audio


G
6016 LL4148
+11
2042 220n
7000 TDA1521Q/N4
2056 560p
2050 33u
2051 33u
2057 560p
2043 220n
-11
0209 SK2
2015 22u
2023 3n3
6008 P4KE30C-7000
EXT SQUEETER
2016 22u
2024 3n3
EXT SQUEETER
2008 22n
2007 22n
3004 100k
9055
9053
2044 220n
3022 8R2
3021 8R2
9008
9029
7001 TDA1521Q/N4
9043
2058 560p
2052 33u
2053 33u
2059 560p
3054 4M7
1L35
2L36
9013
INT WOOFER
ONLY FL1.1
9012
RED
BLACK
2019 6n8
EXT L
2020 6n8
EXT R
9052
2045 220n
3014 300k
7011 TDA1521AQ
2046 220n
2061 560p
3016 8R2
3002 33k
3003 33k
2032 22n
2022 10n
2021 10n
SURROUND R
SURROUND L
2062 560p
2047 220n
3040 27k
3044 220
3072 47
3067 7k5
+V START
A36
2071 33u
3041 1k5
7010 BC858
2070 33u
3069 7k5
7013 BC848
A99
6000 LL4148
3027 10k
3028 10k
6001 LL4148
7003 BC848
6010 LL4148
3068 1k2
SOUND PROT.
B8
A+B+F
CHASSIS FL1.1
CL26532120/015.GREF 150792

0209	B15	9008	F14
2001	A 3	9012	H16
2002	D 3	9013	G16
2003	A 5	9029	F14
2007	D14	9043	G11
2008	D14	9043	H 9
2009	D 5	9052	I12
2011	I10	9053	F12
2012	I 7	9055	E13
2013	F 7		
2015	B16		
2016	C16		
2019	I17		
2020	J17		
2021	L17		
2022	K17		
2023	B17		
2024	D17		
2026	B10		
2027	C10		
2028	K10		
2029	L10		
2030	J 7		
2031	F 9		
2032	L13		
2038	G 2		
2040	E10		
2040	G10		
2041	H10		
2042	A13		
2043	D13		
2044	F13		
2045	I13		
2046	J13		
2047	M13		
2050	B11		
2051	C11		
2052	G11		
2053	H11		
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2057	D11		
2058	G11		
2059	H11		
2061	K11		
2062	M11		
2065	B 5		
2066	C 5		
2070	N16		
2071	N15		
2072	F 5		
2073	G 2		
3000	B 5		
3001	C 5		
3002	K14		
3003	L14		
3004	G 6		
3004	E11		
3005	H 6		
3006	J 7		
3009	F 9		
3011	G 9		
3012	H 9		
3014	I11		
3016	K13		
3021	F15		
3022	F14		
3027	N13		
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3029	I 5		
3030	G 5		
3031	H 4		
3032	G 4		
3033	G 4		
3034	F 4		
3035	H 3		
3036	G 2		
3037	G 3		
3040	M14		
3041	N14		
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3052	D 4		
3053	E 3		
3054	F17		
3060	K 9		
3065	B 6		
3066	D 6		
3067	M17		
3068	O15		
3069	N16		
3072	M16		
4004	G 9		
4007	J 9		
6000	N13		
6001	N13		
6008	B17		
6010	N15		
6011	H 5		
6012	G 5		
6016	A12		
6021	F 5		
7000	A12		
7001	F12		
7002	F 7		
7003	O14		
7005	H 5		
7006	G 5		
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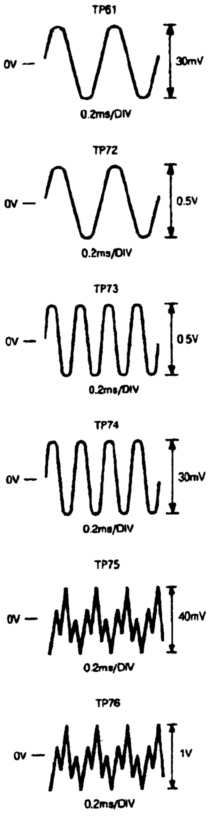

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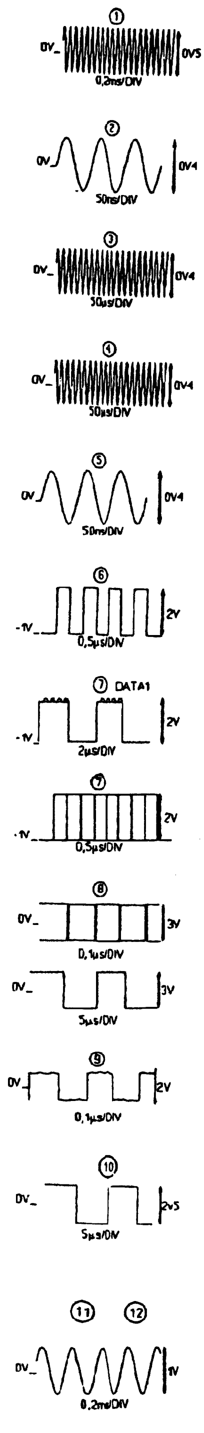
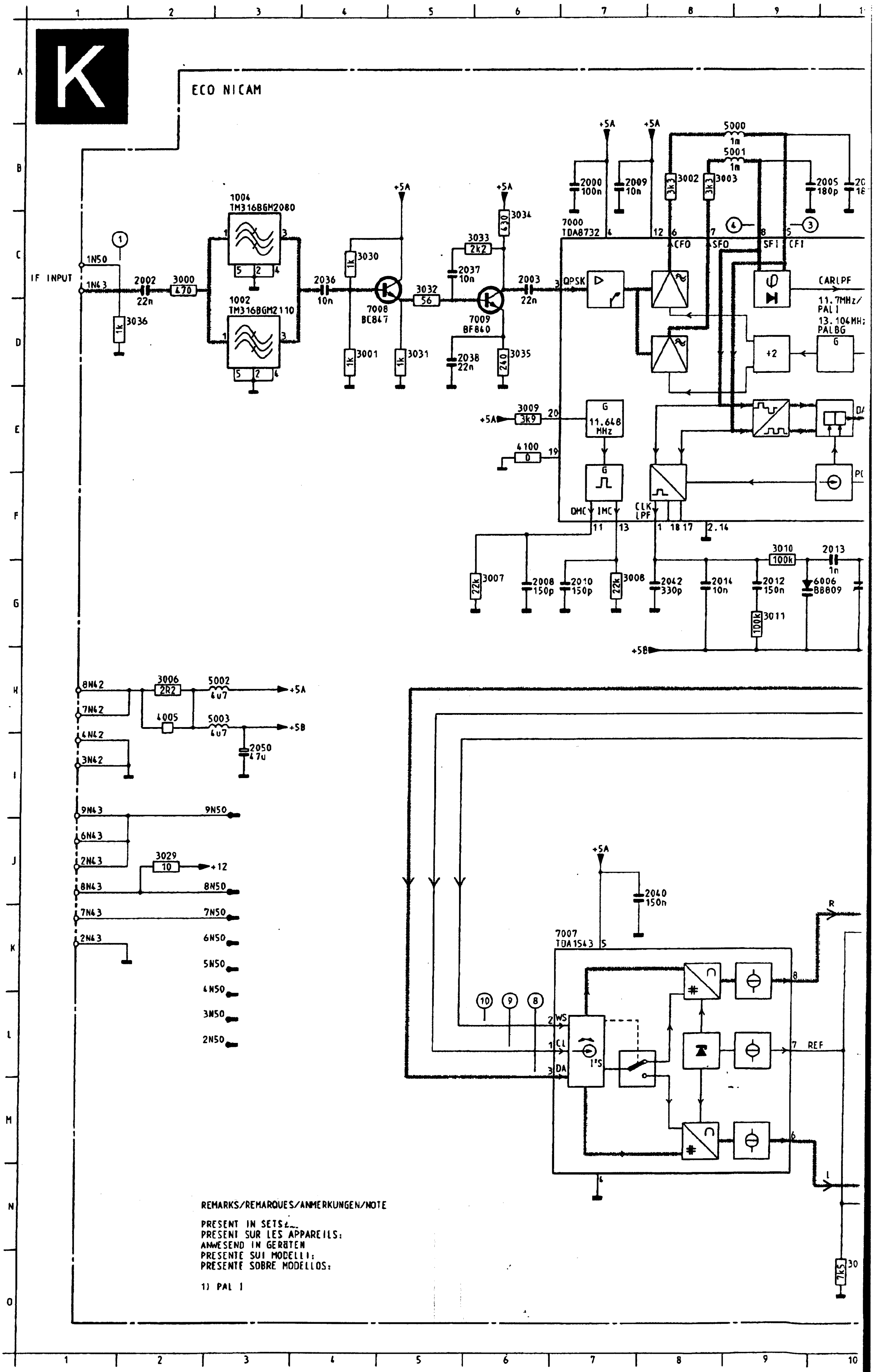
T-26/113

NICAM

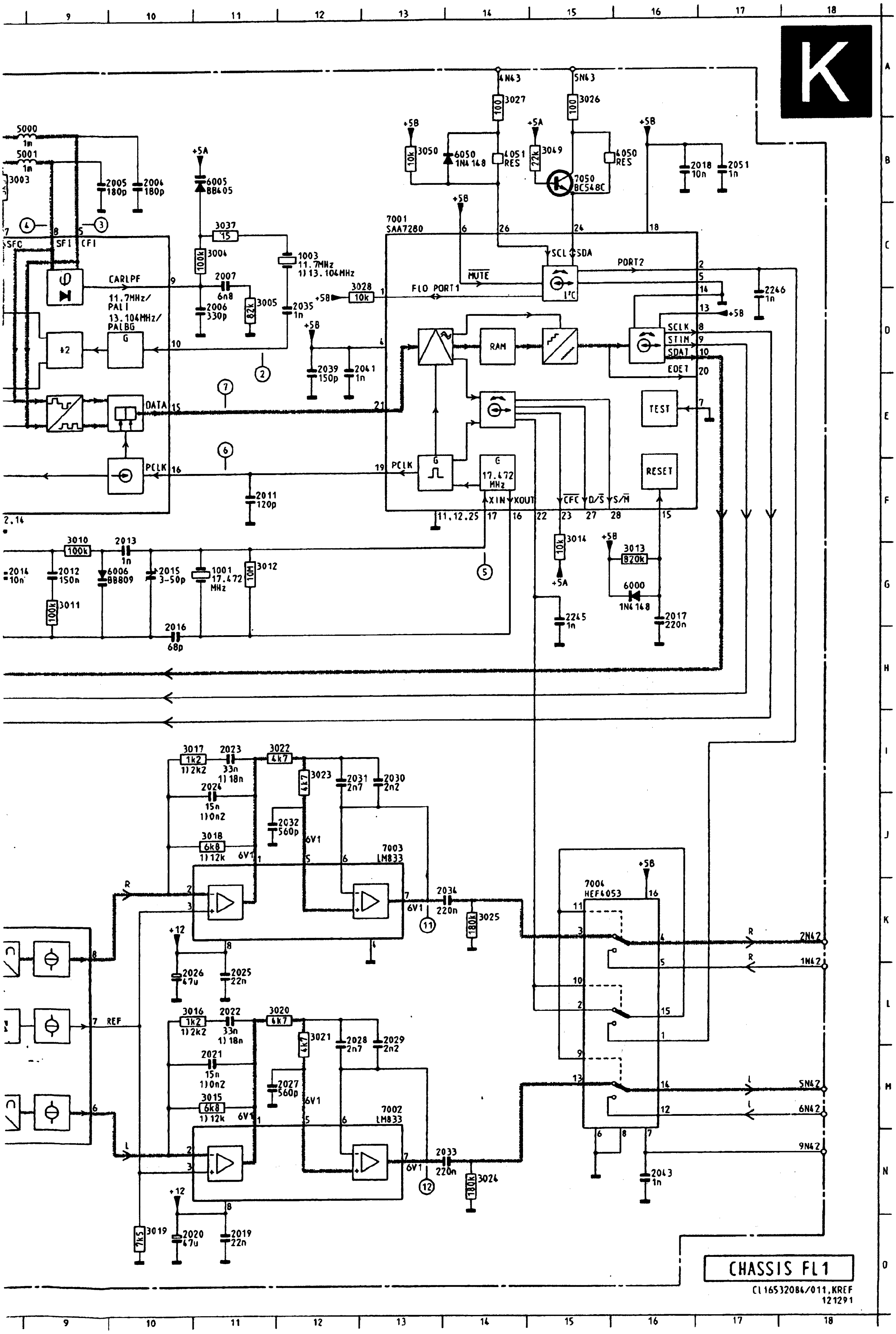



K
ECO NICAM
IF INPUT
1N50
1N43
2002 22n
3000 470
3036 1k
1004 TM316BGM2080
1002 TM316BGM2110
2036 10n
3030 1k
3001 1k
7008 BC847
3031 1k
+5A
3032 56
3033 2k2
2037 10n
2038 22n
3034 430
7009 BF840
3035 240
2003 22n
7000 TDA8732
QPSK
2000 100n
2009 10n
3002 3k3
3003 3k3
5000 1n
5001 1n
2005 180p
CFO
SFO
SFI
CFI
CARLPF
11.7MHz/ PAL I
13.104MHz PALBG
G
+2
3009 3k9
+5A
4100 0
11.648 MHz
DMC
IMC
CLK LPF
3010 100k
2013 1n
3007 22k
2008 150p
2010 150p
3008 22k
2042 330p
2014 10n
2012 150n
3011 100k
6006 BB809
+5B
8N42
7N42
4N42
3N42
3006 2R2
5002 4u7
4005
5003 4u7
2050 47u
+5A
+5B
9N43
6N43
2N43
8N43
7N43
2N43
9N50
8N50
7N50
6N50
5N50
4N50
3N50
2N50
3029 10
+12
2040 150n
7007 TDA1543
WS
CL
DA
I²S
R
REF
L
7k5
30

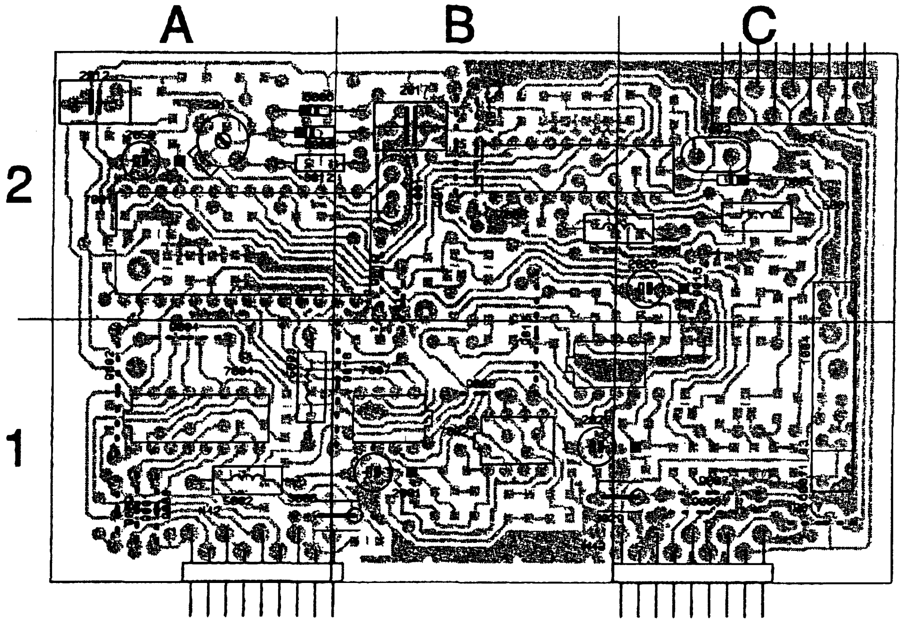
REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) PAL I

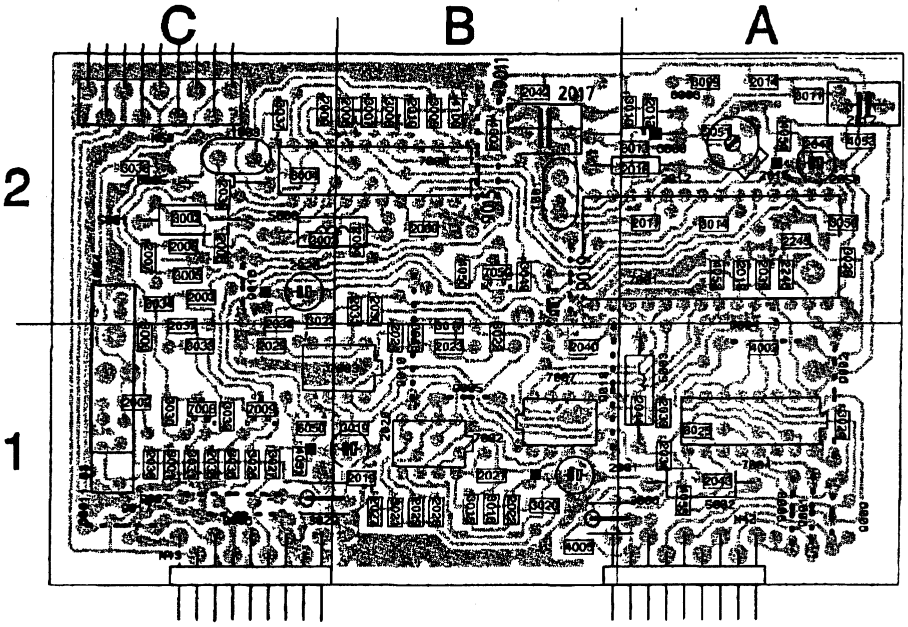

K
9
10
11
12
13
14
15
16
17
18
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
4N43
5N43
3027 100
3026 100
+5B
3050 10k
6050 1N4148
4051 RES
+5A
3049 22k
7050 BC548C
4050 RES
2018 10n
2051 1n
5000 1m
5001 1m
3003
2005 180p
2004 180p
6005 BB405
3037 15
3004 100k
1003 11.7MHz 1) 13.104MHz
2007 6n8
2006 330p
3005 82k
2035 1n
3028 10k
2039 150p
2041 1n
7001 SAA7280
SCL
SDA
PORT2
MUTE
FLO PORT1
I²C
2246 1n
SCLK
STIN
SDAT
EDET
RAM
TEST
RESET
17.472 MHz
XIN
XOUT
CFC
D/S
S/M
11,12,25
SFC
SFI
CFI
CARLPF
11.7MHz/ PALI
13.104MHz/ PALBG
÷2
G
DATA
PCLK
2011 120p
2,14
3010 100k
2013 1n
2014 10n
2012 150n
6006 BB809
2015 3-50p
1001 17.472 MHz
3012 10M
3011 100k
2016 68p
3014 10k
3013 820k
6000 1N4148
2245 1n
2017 220n
3017 1k2 1) 2k2
2023 33n 1) 18n
3022 4k7
3023 4k7
2031 2n7
2030 2n2
2024 15n 1) 0n2
2032 560p
3018 6k8 1) 12k
6V1
7003 LM833
2034 220n
3025 180k
R
+12
2026 47u
2025 22n
7 REF
3016 1k2 1) 2k2
2022 33n 1) 18n
3020 4k7
3021 4k7
2028 2n7
2029 2n2
2021 15n 1) 0n2
2027 560p
3015 6k8 1) 12k
7002 LM833
2033 220n
3024 180k
L
3019 7k5
2020 47u
2019 22n
7004 HEF4053
2043 1n
2N42
1N42
5N42
6N42
9N42
CHASSIS FL1
CL16532084/011.KREF 121291

1001	G11
1002	D 3
1003	C12
1004	B 3
2000	B 7
2002	C 2
2003	C 6
2004	B10
2005	B 9
2006	D11
2007	C11
2008	G 6
2009	B 7
2010	G 7
2011	F11
2012	G 9
2013	F10
2014	G 8
2015	G10
2016	G10
2017	G16
2018	B16
2019	O11
2020	O10
2021	M11
2022	L11
2023	I11
2024	I11
2025	L11
2026	L10
2027	M12
2028	L12
2029	L13
2030	I13
2031	I12
2032	J12
2033	N14
2034	K14
2035	D12
2036	C 4
2037	C 5
2038	D 5
2039	D12
2040	J 8
2041	D12
2042	G 8
2043	N16
2050	I 3
2051	B17
2245	G15
2246	D17
3000	C 2
3001	D 4
3002	B 8
3003	B 8
3004	C11
3005	D11
3006	H 2
3007	G 6
3008	G 7
3009	E 6
3010	F 9
3011	G 9
3012	G11
3013	G16
3014	F15
3015	M11
3016	L10
3017	I10
3018	J11
3019	O10
3020	L12
3021	L12
3022	I12
3023	I12
3024	N14
3025	K14
3026	A15
3027	A14
3028	C13
3029	J 2
3030	C 4
3031	D 5
3032	C 5
3033	C 6
3034	C 6
3035	D 6
3036	D 1
3037	C11
3049	B15
3050	B13
4005	H 2
4050	B16
4051	B14
4100	E 6
5000	B 9
5001	B 9
5002	H 3
5003	H 3
6000	G16
6005	B11
6006	G 9
6050	B14
7000	C 7
7001	C13
7002	M13
7003	J13
7004	K15
7007	K 7
7008	D 5
7009	D 6
7050	B15



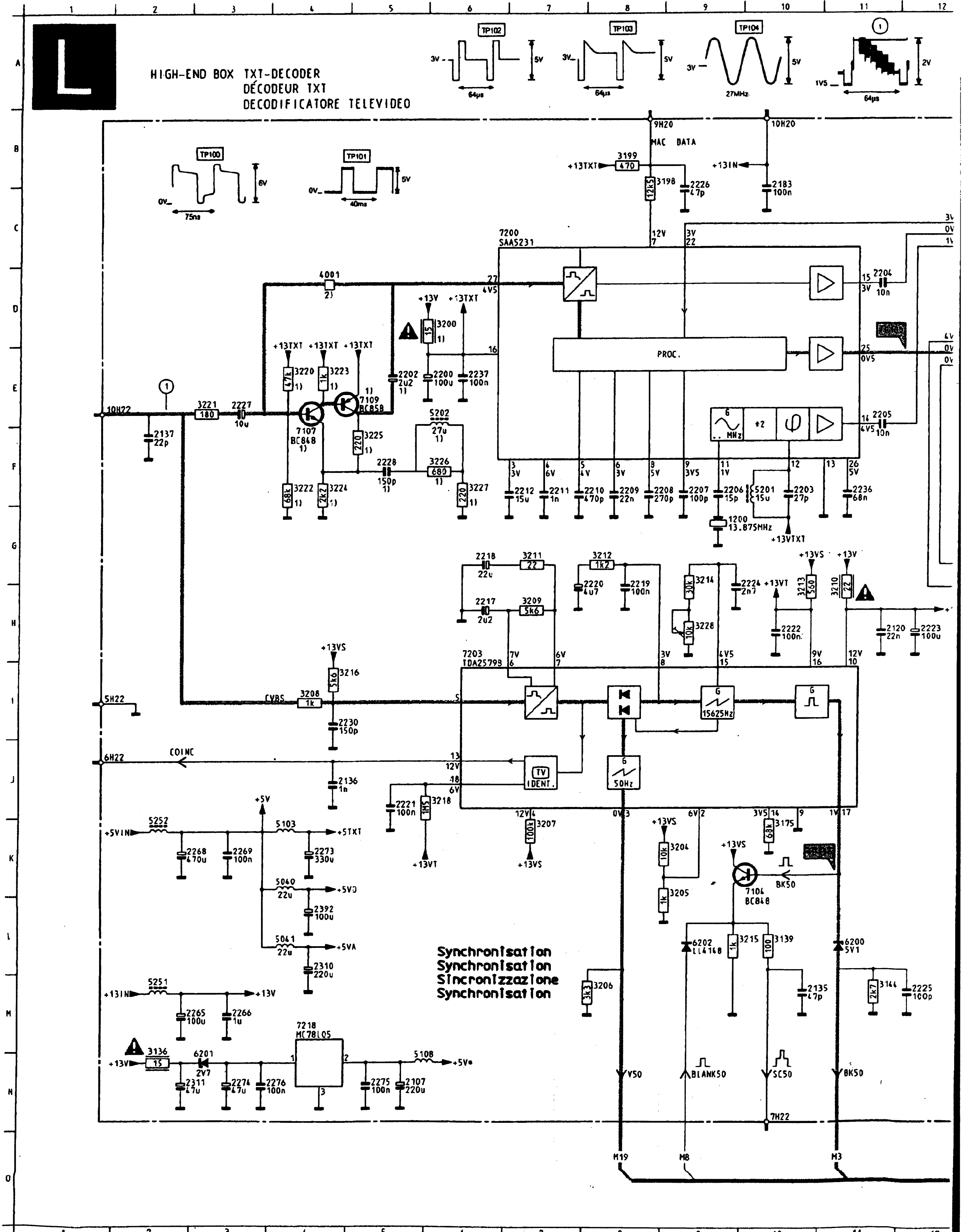
N42	A1
N43	C1
N60	C2
1001	B2
1003	C2
1004	C1
2000	B2
2001	B1
2002	C1
2003	C2
2004	B2
2005	C2
2006	C2
2007	C2
2008	B2
2009	C2
2010	B2
2011	A2
2012	A2
2013	A2
2014	A2
2015	A2
2016	A2
2017	B2
2018	A2
2019	B1
2020	B1
2021	B1
2022	B1
2023	B1
2024	B1
2025	C1
2026	C2
2027	B1
2028	B1
2029	B1
2030	B2
2031	B2
2032	C2
2033	A1
2034	A1
2035	C2
2036	C1
2037	C1
2038	C1
2039	A2
2040	B1
2041	A2
2042	B2
2043	A1
2044	A1
2050	A2
2051	A2
2245	A2
2248	A2
3000	C1
3001	C1
3002	C2
3003	C2
3004	C2
3005	C2
3006	B1
3007	B2
3008	B2
3009	B2
3009	B2
3010	A2
3011	A2
3012	A2
3013	A2
3014	A2
3015	B1
3016	B1
3017	B1
3018	B1
3019	B1
3020	B1
3021	B1
3022	B1
3023	C2
3024	A1
3025	A1
3026	C1
3027	C1
3028	A2
3029	C1
3030	C1
3031	C1
3032	C1
3033	C1
3034	C2
3035	C1
3036	C2
3037	C2
3049	B2
3050	A2
3099	A2
4002	A1
4003	B2
4005	B1
4050	B2
4051	C1
4052	A2
4053	A2
4054	A2
4055	A1
4100	B2
4100	B2
5000	C2
5001	C2
5002	A1
5003	A1
6000	A2
6001	C1
6005	C2
6006	A2
6050	C1
7000	B2
7001	A2
7002	B1
7003	B1
7004	A1
7007	B1
7008	C1
7009	C1
7050	B2
9001	A1
9002	A1
9004	A1
9005	B1
9006	C1
9007	C1
9008	A1
9009	A1
9010	B1
9011	B2
9014	B2
9015	B2
9016	C2
9017	C1
9018	B1
9019	B2

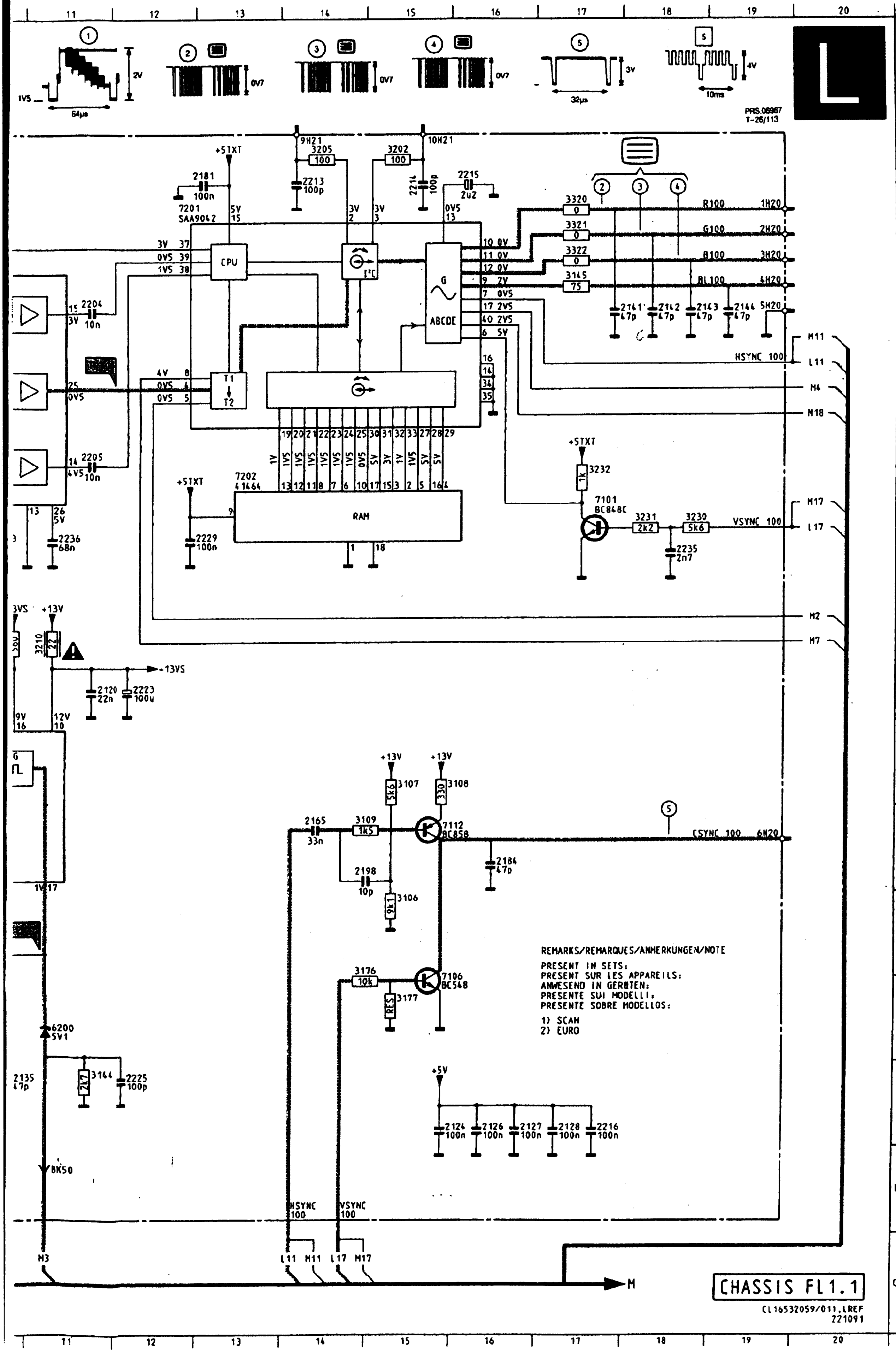
NICAM



N42 A1	2010 B2	2026 C2	2042 B2	3009 B2	3024 A1	3099 A2	6000 A2	9004 A1
N43 C1	2011 A2	2027 B1	2043 A1	3009 B2	3025 A1	4002 A1	6001 C1	9005 B1
N50 C2	2012 A2	2028 B1	2044 A1	3010 A2	3026 C1	4003 B2	6005 C2	9006 C1
1001 B2	2013 A2	2029 B1	2050 A2	3011 A2	3027 C1	4005 B1	6006 A2	9007 C1
1003 C2	2014 A2	2030 B2	2051 A2	3012 A2	3028 A2	4050 B2	6050 C1	9008 A1
1004 C1	2015 A2	2031 B2	2245 A2	3013 A2	3029 C1	4051 C1	7000 B2	9009 A1
2000 B2	2016 A2	2032 C2	2246 A2	3014 A2	3030 C1	4052 A2	7001 A2	9010 B1
2001 B1	2017 B2	2033 A1	3000 C1	3016 B1	3031 C1	4053 A2	7002 B1	9011 B2
2002 C1	*2018 A2*	*2034 A1*	*3001 C1*	*3016 B1*	*3032 C1*	4054 A2	7003 B1	9014 B2
2003 C2	2019 B1	2035 C2	3002 C2	3017 B1	3033 C1	4055 A1	7004 A1	9015 B2
2004 B2	2020 B1	2036 C1	3003 C2	3018 B1	3034 C2	4100 B2	7007 B1	9016 C2
2005 C2	2021 B1	2037 C1	3004 C2	3019 B1	3035 C1	4100 B2	7008 C1	9017 C1
2006 C2	2022 B1	2038 C1	3005 C2	3020 B1	3036 C2	5000 C2	7009 C1	9018 B1
2007 C2	2023 B1	2039 A2	3006 B1	3021 B1	3037 C2	5001 C2	7050 B2	9019 B2
2008 B2	2024 B1	2040 B1	3007 B2	3022 B1	3049 B2	5002 A1	9001 A1	
2009 C2	2025 C1	2041 A2	3008 B2	3023 C2	3050 A2	5003 A1	9002 A1	

High-end box


L
HIGH-END BOX TXT-DECODER
DÉCODEUR TXT
DECODIFICATORE TELEVIDEO
Synchronisation
Synchronisation
Sincronizzazione
Synchronisation
TP100
6V
0V
75ms
TP101
5V
0V
40ms
TP102
3V
5V
64µs
TP103
3V
5V
64µs
TP104
3V
5V
27MHz
①
1V5
2V
64µs
9H20
MAC DATA
10H20
+13TXT
3199
470
3198
12k5
2226
47p
+13IN
2183
100n
7200
SAA5231
12V
7
3V
22
27
4V5
16
PROC.
15
3V
2204
10n
25
0V5
14
4V5
2205
10n
6 MHz
÷2
4001
2)
+13V
+13TXT
3200
15
1)
2202
2u2
1)
2200
100u
2237
100n
+13TXT
+13TXT
+13TXT
3220
47k
1)
3223
1k
1)
7109
BC858
1)
7107
BC848
1)
3225
220
1)
10H22
①
3221
180
2227
10u
2137
22p
5202
27u
1)
2228
150p
1)
3226
680
1)
3222
68k
1)
3224
2k2
1)
3227
220
1)
3 3V 2212 15u
4 6V 2211 1n
5 4V 2210 470p
6 3V 2209 22n
8 5V 2208 270p
9 3V5 2207 100p
11 1V 2206 15p
5201 15u
12 2203 27p
13
26 5V 2236 68n
1200
13.875MHz
+13VTXT
2218
22u
3211
22
3212
1k2
2220
4u7
2219
100n
3214
30k
2224
2n7
+13VT
+13VS
3213
560
+13V
3210
22
2217
2u2
3209
5k6
3228
10k
2222
100n
2120
22n
2223
100u
7203
TDA2579B
7V 6
6V 7
3V 8
4V5 15
9V 16
12V 10
+13VS
3216
5k6
5H22
CVBS
3208
1k
5
2230
150p
15625Hz
50Hz
TV
IDENT.
6H22
COINC
13
12V
18
6V
2136
1n
2221
100n
3218
1M5
+13VT
12V 4
3207
100k
+13VS
0V 3
6V 2
3V5 14
9
1V 17
3175
68k
+13VS
3204
10k
3205
1k
+13VS
7104
BC848
BK50
6202
LL4148
3215
1k
3139
100
6200
5V1
3206
3k3
2135
47p
3144
2k7
2225
100p
V50
BLANK50
SC50
BK50
7H22
M19
M8
M3
+5V
+5VIN
5252
2268
470u
2269
100n
5103
+5TXT
2273
330u
5040
22u
+5VD
2392
100u
5041
22u
+5VA
2310
220u
+13IN
5251
+13V
2265
100u
2266
1u
7218
MC78L05
1
2
3
+13V
3136
15
6201
2V7
2311
47u
2274
47u
2276
100n
2275
100n
2107
220u
5108
+5V*
3V
0V
1V
4V
0V
0V
1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O


11
12
13
14
15
16
17
18
19
20
①
2V
1V5
64µs
② 0V7
③ 0V7
④ 0V7
⑤
3V
32µs
5
4V
10ms
PRS.06967
T-26/113
L
9H21
3205
100
3202
100
10H21
+5TXT
2181
100n
2213
100p
2214
100p
2215
2u2
7201
SAA9042
5V
15
3V
2
3V
3
0V5
13
② ③ ④
3320
0
R100
1H20
3321
0
G100
2H20
3322
0
B100
3H20
3145
75
BL100
4H20
5H20
3V 37
0V5 39
1V5 38
CPU
I²C
G
ABCDE
10 0V
11 0V
12 0V
9 2V
7 0V5
17 2V5
40 2V5
6 5V
2141 47p
2142 47p
2143 47p
2144 47p
M11
L11
HSYNC 100
M4
M18
2204
10n
15
3V
25
0V5
4V 8
0V5 4
0V5 5
T1
T2
16
14
34
35
2205
10n
14
4V5
19 20 21 22 23 24 25 30 31 32 33 27 28 29
1V 1V5 1V5 1V5 1V5 1V5 0V5 5V 3V 1V 1V5 5V 5V
13 12 11 8 7 6 10 17 15 3 2 5 16 4
+5TXT
7202
41464
9
RAM
1
18
2229
100n
13
26
5V
2236
68n
+5TXT
3232
1k
7101
BC848C
3231
2k2
3230
5k6
VSYNC 100
M17
L17
2235
2n7
M2
M7
3VS
+13V
3210
22
+13VS
2120
22n
2223
100u
9V
16
12V
10
1V 17
+13V
+13V
3107
5k6
3108
330
2165
33n
3109
1k5
7112
BC858
⑤
CSYNC 100
6H20
2184
47p
2198
10p
3106
9k1
3176
10k
7106
BC548
3177
RES
6200
5V1
2135
47p
3144
2k7
2225
100p
+5V
2124 100n
2126 100n
2127 100n
2128 100n
2216 100n
BK50
HSYNC 100
VSYNC 100
M3
L11
M11
L17
M17
M

REMARKS/REMARQUES/ANMERKUNGEN/NOTE

PRESENT IN SETS:
PRESENT SUR LES APPAREILS:
ANWESEND IN GERÄTEN:
PRESENTE SUI MODELLI:
PRESENTE SOBRE MODELLOS:

1) SCAN
2) EURO

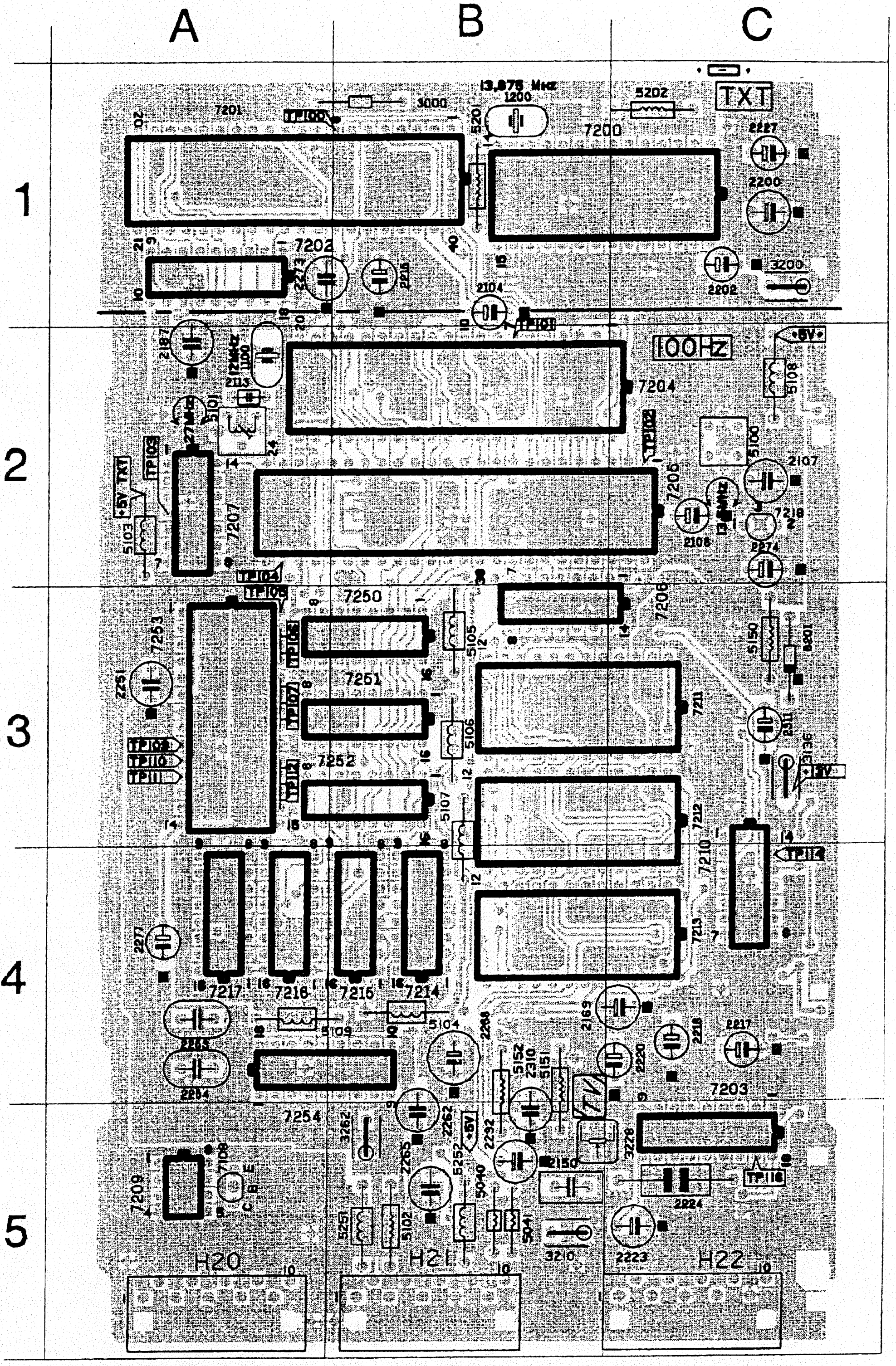
CHASSIS FL1.1

CL16532059/011.LREF
221091

1200	G 9	6200	L11
2107	N 5	6201	N 3
2120	H11	6202	L 9
2124	M15	7101	F17
2126	M16	7104	K10
2127	M16	7106	L15
2128	M17	7107	F 4
2135	M10	7109	E 5
2136	J 4	7112	J15
2137	F 2	7200	C 6
2141	D17	7201	C12
2142	D18	7202	F13
2143	D18	7203	H 6
2144	D19	7218	M 4
2165	J14		
2181	B13		
2183	C10		
2184	J16		
2198	J14		
2200	E 6		
2202	E 5		
2203	F10		
2204	D11		
2205	E11		
2206	F 9		
2207	F 9		
2208	F 8		
2209	F 8		
2210	F 7		
2211	F 7		
2212	F 7		
2213	B14		
2214	B15		
2215	B16		
2216	M17		
2217	H 6		
2218	G 6		
2219	H 8		
2220	H 7		
2221	J 5		
2222	H10		
2223	H12		
2224	H 9		
2225	M12		
2226	C 9		
2227	E 3		
2228	F 5		
2229	F12		
2230	I 4		
2235	G18		
2236	F11		
2237	E 6		
2265	M 2		
2266	M 3		
2268	K 2		
2269	K 3		
2273	K 4		
2274	N 3		
2275	N 5		
2276	N 3		
2310	L 4		
2311	N 2		
2392	L 4		
3106	K15		
3107	I15		
3108	I15		
3109	J14		
3136	N 2		
3139	L10		
3144	M11		
3145	C17		
3175	K10		
3176	K14		
3177	L15		
3198	B 8		
3199	B 8		
3200	D 6		
3202	B15		
3204	K 9		
3205	B14		
3205	K 9		
3206	M 8		
3207	K 7		
3208	I 4		
3209	H 7		
3210	H11		
3211	G 7		
3212	G 8		
3213	H10		
3214	G 9		
3215	L 9		
3216	I 4		
3218	J 6		
3220	E 4		
3221	E 3		
3222	F 4		
3223	E 4		
3224	F 4		
3225	F 5		
3226	F 6		
3227	F 6		
3228	H 9		
3230	F18		
3231	F18		
3232	E17		
3320	B17		
3321	C17		
3322	C17		
4001	D 4		
5040	K 4		
5041	L 4		
5103	K 4		
5201	F10		
5202	E 6		
5251	M 2		
5252	K 2		

High-end box

1200	B1
2104	B1
2107	C2
2108	C2
2113	A2
2150	C5
2169	C4
2187	A2
2200	C1
2202	C1
2215	B1
2217	C4
2218	C4
2220	C4
2223	C5
2224	C5
2227	C1
2251	A3
2253	A4
2254	A4
2262	B5
2265	B5
2268	B4
2273	B1
2274	C2
2277	A4
2292	B5
2310	B5
2311	C3
3000	B1
3136	C3
3200	C1
3210	B5
3228	C5
3262	B5
5040	B5
5041	B5
5100	C2
5101	A2
5102	B5
5103	A2
5104	B4
5105	B3
5106	B3
5107	B3
5108	C2
5109	B4
5150	C3
5151	B4
5152	B4
5201	B1
5202	C1
5251	B5
5252	B5
6201	C3
7108	A5
7200	C1
7201	B1
7202	A1
7203	C5
7204	C2
7205	C2
7206	C2
7207	A2
7209	A5
7210	C3
7211	C3
7212	C3
7213	C4
7214	B4
7215	B4
7216	B4
7217	A4
7218	C2
7250	B3
7251	B3
7252	B3
7253	A3
7254	A4
H20	A5
H21	B5
H22	C5


A
B
C
1
2
3
4
5
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TP100
3000
13,875 MHz
1200
5201
5202
TXT
7200
2227
2200
7202
2273
2215
2104
TP101
2202
3200
2187
100HZ
+5V
7204
5108
2113
5101
TP105
+5V TXT
TP102
5100
2107
5103
7207
7205
2108
7218
2274
TP104
TP106
7250
7206
7253
TP108
5105
5150
6201
2251
7251
TP107
5106
7211
2311
3136
TP109
TP110
TP111
TP112
7252
+5V
5107
7212
7210
TP114
2277
7217
7216
7215
7214
7213
2253
5109
5104
2268
2169
2218
2217
2254
5152
2310
5151
2220
7203
7254
3262
2262
+5V
2292
3228
2265
5252
5040
2150
TP116
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C
B
E
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3210
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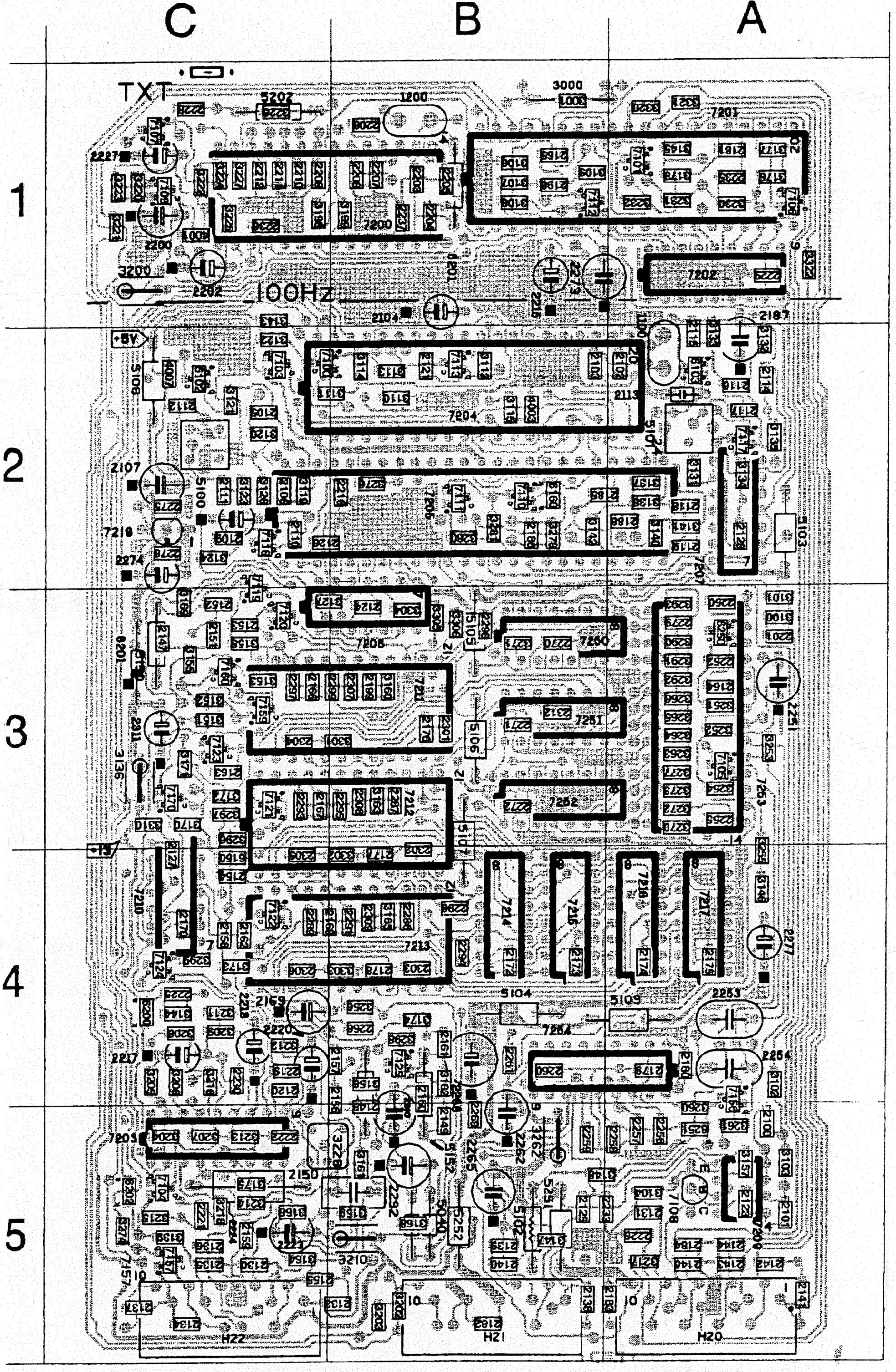
H20
H21
H22

High-end box



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2100	A5
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2103	B2
2104	B1
2105	C2
2106	C2
2107	C2
2108	C2
2109	C2
2110	C2
2111	C2
2112	C2
2113	A2
2114	A2
2115	A2
2116	A2
2117	A2
2118	A2
2119	A2
2120	C4
2121	B2
2123	A5
2124	B3
2125	B5
2126	C2
2127	C3
2128	A2
2130	C5
2131	A5
2133	C5
2134	C5
2135	C5
2136	C5
2137	C5
2138	B5
2139	B5
2140	B5
2141	A5
2142	A5
2143	A5
2144	A5
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2147	C3
2148	B4
2149	B5
2150	C5
2151	C3
2152	C3
2153	C3
2154	C4
2155	C5
2156	C4
2157	C4
2158	C4
2159	C5
2160	B4
2161	B4
2162	C4
2163	C3
2164	A3
2165	B1
2166	C3
2167	C3
2168	C4
2169	C4
2170	C4
2172	B4
2173	B4
2174	A4
2175	A4
2176	B3
2177	B4
2178	B4
2179	A4
2180	A4
2181	A1
2182	B5
2183	B5
2184	A5
2185	B2
2186	B2
2187	A2
2188	B2
2198	B1
2199	B3
2200	C1
2201	A3
2202	C1
2203	B1
2204	B1
2205	B1
2206	B1
2207	B1
2208	C1
2209	C1
2210	C1
2211	C1
2212	C1
2215	B1
2216	C2
2217	C4
2218	C4
2219	C4
2220	C4
2221	C5
2222	C5
2223	C5
2224	C5
2225	C4
2226	A5
2227	C1
2228	C1
2229	A1
2230	C4
2233	B5
2235	A1
2236	C1
2237	B1
2250	A3
2251	A3
2252	A3
2253	A4
2254	A4
2255	A3
2256	A5
2257	A5
2258	B5
2259	B5
2260	B4
2261	B4
2262	B5
2265	B5
2266	B4
2268	B4
2269	B5
2270	B3
2271	B3
2272	B3
2273	B1
2274	C2
2275	C2
2276	C2
2277	A4
2279	A3
2286	B4
2287	B3
2289	C4
2291	C4
2292	B5
2293	C3
2294	B4
2295	C3
2296	B4
2297	C3
2298	B3
2299	C3
2301	B3
2302	B3
2303	B4
2304	C3
2305	C4
2306	C4
2307	C3
2308	B3
2309	B4
2310	B5
2311	C3
2312	B3
3000	B1
3001	B1
3100	A3
3101	A3
3102	A4
3103	A5
3104	A5
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3107	B1
3108	B1
3109	B1
3110	B2
3111	C2
3112	B2
3113	B2
3114	B2
3115	B2
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3146	A4
3147	B5
3148	B5
3151	C3
3152	C3
3153	C3
3155	C3
3156	B4
3157	A5
3158	C3
3159	C5
3160	B3
3161	B5
3162	B4
3163	B3
3164	C5
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3166	C5
3168	B5
3169	C3
3170	C3
3171	C3
3172	C3
3173	C4
3174	B4
3175	C5
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3177	A1
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3198	C1
3199	C1
3200	C1
3202	B5
3203	B5
3204	C5
3205	C4
3206	C4
3207	C5
3208	C4
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3228	C5
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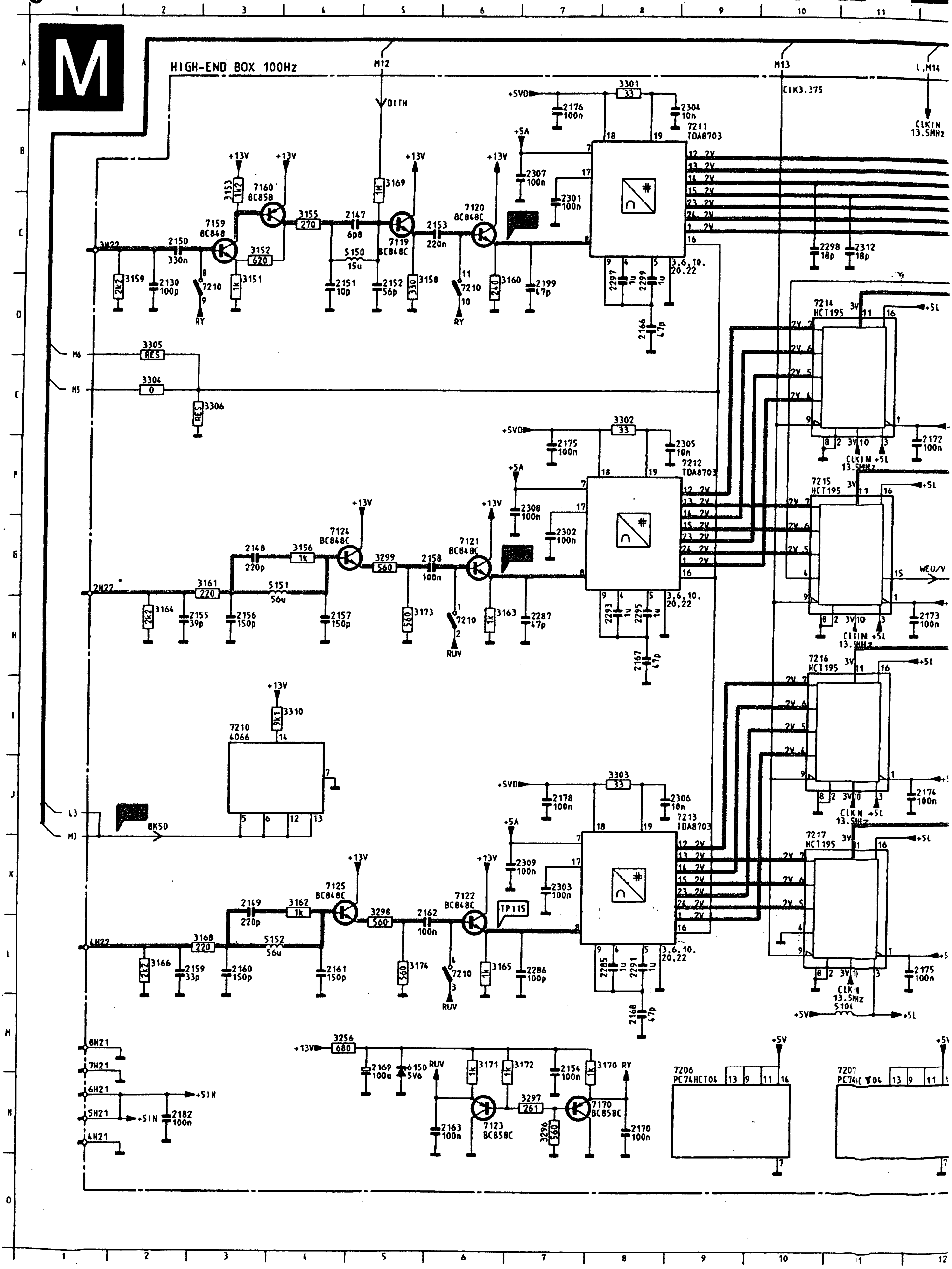
3231	A1
3232	B1
3251	A3
3252	A3
3253	A3
3254	A3
3255	A3
3256	B4
3260	A4
3261	A5
3262	B5
3263	A3
3264	A3
3265	A3
3266	A3
3270	A3
3271	B3
3272	A3
3273	A3
3274	C5
3276	B2
3277	A3
3279	B2
3280	B2
3281	B2
3290	A3
3291	A3
3292	A3
3293	A3
3296	C3
3297	C3
3298	B4
3299	C4
3301	C3
3302	C4
3303	C4
3304	B3
3305	B3
3306	B3
3310	C3
3320	A1
3321	A1
3322	A1
4001	C1
4003	B2
4007	C2
5040	B5
5041	B5
5100	C2
5101	A2
5102	B5
5103	A2
5104	B4
5105	B3
5106	B3
5107	B3
5108	C2
5109	B4
5150	C3
5151	B4
5152	B4
5201	B1
5202	C1
5251	B5
5252	B5
6102	C2
6103	A2
6150	C4
6160	B2
6200	C4
6201	C3
6202	C5
6250	A3
6251	A5
7100	C2
7101	B1
7103	C2
7104	C5
7105	A3
7106	A1
7107	C1
7108	A5
7109	C1
7110	B2
7111	B2
7112	B1
7113	B2
7116	C2
7117	A2
7119	C2
7120	C3
7121	C3
7122	C4
7123	C3
7124	C4
7125	B4
7156	A4
7157	C5
7159	C3
7160	C3
7170	C3
7200	C1
7201	B1
7202	A1
7203	C5
7204	C2
7205	C2
7206	C2
7207	A2
7209	A5
7210	C3
7211	C3
7212	C3
7213	C4
7214	B4
7215	B4
7216	B4
7217	A4
7218	C2
7250	B3
7251	B3
7252	B3
7253	A3
7254	A4

PCS 59 893

High-end box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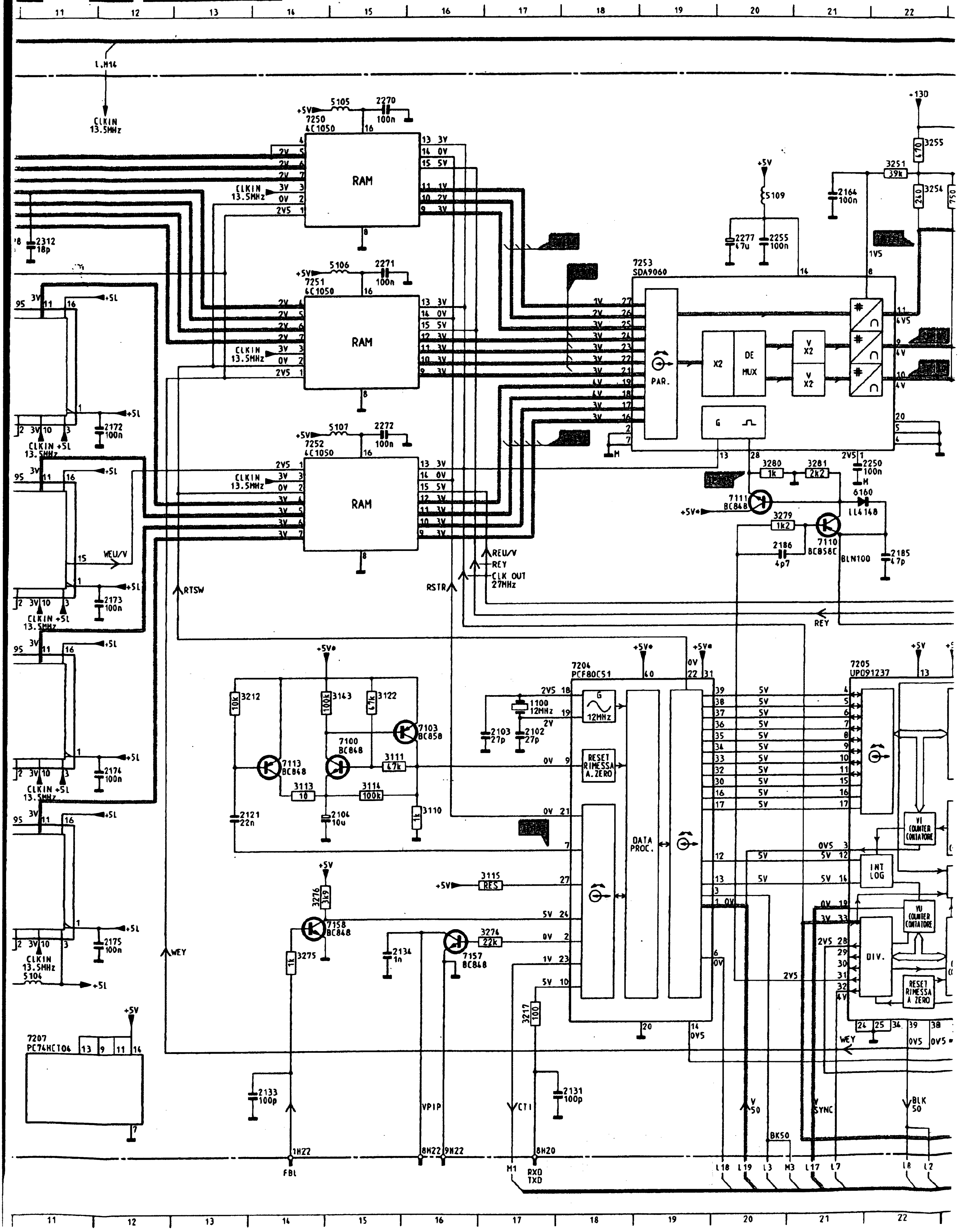
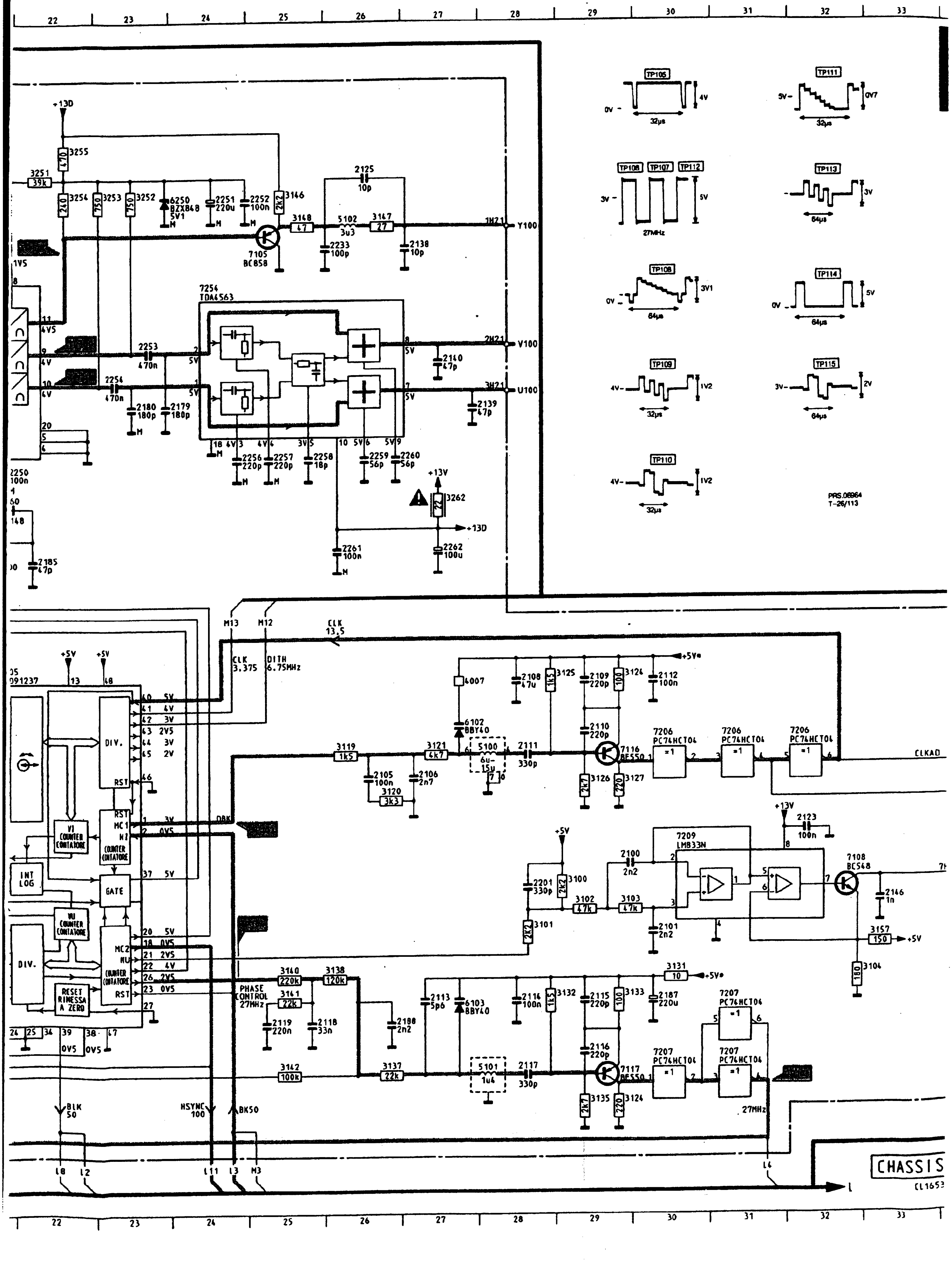
HIGH-END BOX 100Hz
M12
M13
M14
DITH
CLK3.375
CLKIN 13.5MHz
+5VD
3301 33
2176 100n
2304 10n
7211 TDA8703
3302 33
2175 100n
2305 10n
7212 TDA8703
3303 33
2178 100n
2306 10n
7213 TDA8703
+5A
2307 100n
2301 100n
2308 100n
2302 100n
2309 100n
2303 100n
2297 1u
2299 1u
2166 47p
2293 1u
2295 1u
2167 47p
2285 1u
2291 1u
2168 47p
3,6,10,20,22
+13V
3153 1k2
7160 BC858
7159 BC848
3155 270
2147 6p8
3169 1M
7119 BC848C
2153 220n
7120 BC848C
3H22
2150 330n
3152 620
5150 15u
3159 2k2
2130 100p
7210
RY
3151 1k
2151 10p
2152 56p
3158 330
3160 240
2199 47p
2298 18p
2312 18p
7214 HCT195
7215 HCT195
7216 HCT195
7217 HCT195
+5L
2172 100n
2173 100n
2174 100n
2175 100n
WEU/V
M6
3305 RES
M5
3304 0
3306 RES
7124 BC848C
2148 220p
3156 1k
3299 560
2158 100n
7121 BC848C
2H22
3161 220
5151 56u
3164 2k2
2155 39p
2156 150p
2157 150p
3173 560
RUV
3163 1k
2287 47p
3310 9k1
7210 4066
L3
M3
BK50
7125 BC848C
2149 220p
3162 1k
3298 560
2162 100n
7122 BC848C
TP115
4H22
3168 220
5152 56u
3166 2k2
2159 33p
2160 150p
2161 150p
3174 560
3165 1k
2286 100p
+5V
5104
8H21
7H21
6H21
5H21
4H21
+5IN
2182 100n
3256 680
2169 100u
6150 5V6
3171 1k
3172 1k
2154 100n
3170 1k
7123 BC858C
3297 261
3296 560
7170 BC858C
2163 100n
2170 100n
7206 PC74HCT04
7207 PC74HCT04


11
12
13
14
15
16
17
18
19
20
21
22
L.H14
CLKIN 13.5MHz
+5V
5105
2270
100n
7250
4C1050
RAM
5106
2271
7251
4C1050
5107
2272
7252
4C1050
2312
18p
2172
100n
2173
100n
2174
100n
2175
100n
5104
+5L
WEU/V
RTSW
RSTR
REU/V
REY
CLK OUT 27MHz
WEY
+5V
5109
2277
47u
2255
100n
7253
SDA9060
PAR.
X2
DE MUX
V X2
+130
3255
470
3251
39k
3254
240
750
2164
100n
1V5
4V5
4V
3280
1k
3281
2k2
2250
100n
7111
BC848
6160
LL4148
3279
1k2
7110
BC858C
2186
4p7
2185
47p
BLN100
REY
7204
PCF80C51
1100
12MHz
2103
27p
2102
27p
G
12MHz
RESET RIMESSA A.ZERO
DATA PROC.
3212
10k
3143
100k
3122
47k
7103
BC858
7100
BC848
7113
BC848
3111
47k
3113
10
3114
100k
2121
22n
2106
10u
3110
1k
3115
RES
3276
3k9
7158
BC848
3275
1k
2134
1n
7157
BC848
3274
22k
3217
100
2133
100p
2131
100p
7205
UPD91237
VI COUNTER CONTATORE
INT LOG
VU COUNTER CONTATORE
DIV.
RESET RIMESSA A ZERO
7207
PC74HCT04
FBL
VP1P
CT1
V 50
SYNC
BLK 50
BK50
1H22
8H22
9H22
8H20
M1
RXD TXD
L18
L19
L3
M3
L17
L7
L8
L2



22
23
24
25
26
27
28
29
30
31
32
33
+13D
3255
470
3251
39k
3254
240
3253
750
3252
750
6250
BZX848
5V1
2251
220u
2252
100n
3146
2k2
3148
47
5102
3u3
2125
10p
3147
27
1H21
Y100
2233
100p
2138
10p
7105
BC858
1V5
4V5
7254
TDA4563
2253
470n
2254
470n
2180
180p
2179
180p
2H21
V100
3H21
U100
2140
47p
2139
47p
2256
220p
2257
220p
2258
18p
2259
56p
2260
56p
+13V
3262
22
+13D
2261
100n
2262
100u
2250
100n
2185
47p
TP105
32µs
4V
0V
TP111
5V
0V7
TP108
TP107
TP112
3V
5V
27MHz
TP113
64µs
TP108
3V1
TP114
TP109
1V2
TP115
2V
TP110
PRS.06964
T-26/113
M13
M12
CLK 13,5
CLK 3.375
DITH 6.75MHz
+5V
DIV.
RST
VI COUNTER CONTATORE
MC1
HI
COUNTER CONTATORE
INT LOG
GATE
VU COUNTER CONTATORE
MC2
HU
RESET RINESSA A ZERO
0V5
+5V*
4007
2108
47u
3125
1k5
2109
220p
3124
100
2112
100n
6102
BBY40
2110
220p
3119
1k5
3121
4k7
5100
6u-15u
2111
330p
7116
BF550
7206
PC74HCT04
CLKAD
2105
100n
2106
2n7
3120
3k3
3126
2k7
3127
220
DBK
+13V
2123
100n
7209
LM833N
7108
BC548
2100
2n2
2201
330p
3100
2k2
3102
47k
3103
47k
2101
2n2
2146
1n
3157
150
3101
2k2
3104
180
PHASE CONTROL 27MHz
3140
220k
3138
120k
3141
22k
2119
220n
2118
33n
2188
2n2
2113
5p6
6103
BBY40
2114
100n
3132
1k5
2115
220p
3133
100
2187
220u
3131
10
7207
PC74HCT04
2116
220p
3142
100k
3137
22k
5101
1u4
2117
330p
7117
BF550
3135
2k7
3124
220
27MHz
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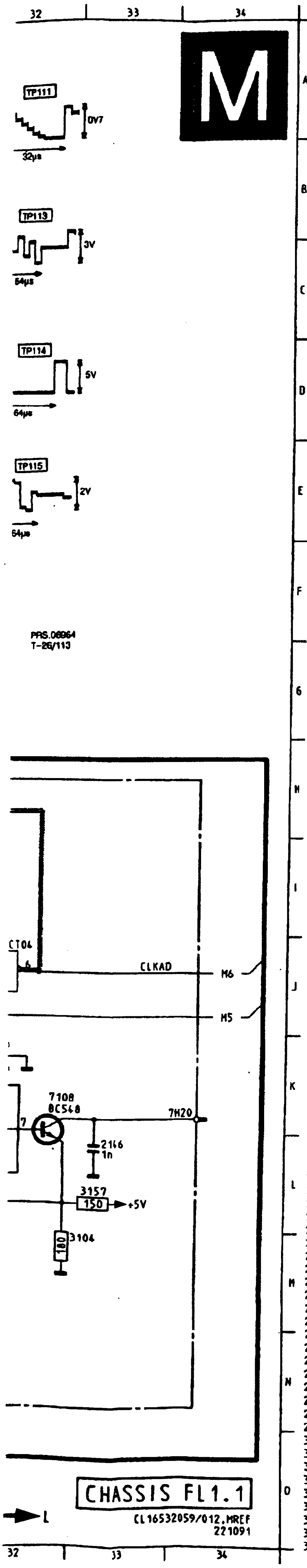
HSYNC 100
BK50
L8
L2
L11
L3
M3
L4
CHASSIS
CL1653

M



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2100	K29	3119	J26	7207	N31
2101	L30	3120	J26	7209	K30
2102	J17	3121	J27	7210	D 3
2103	J17	3122	I15	7210	D 6
2104	K15	3124	I29	7210	H 6
2105	J26	3124	N29	7210	L 6
2106	J27	3125	I28	7210	I 3
2108	I28	3126	J29	7211	B 9
2109	I29	3127	J29	7212	F 9
2110	I29	3131	M30	7213	J 9
2111	J28	3132	M28	7214	D10
2112	I30	3133	M29	7215	F10
2113	M27	3135	N29	7216	H10
2114	M28	3137	N26	7217	K10
2115	M29	3138	M26	7250	B14
2116	N29	3140	M25	7251	D14
2117	N28	3141	M25	7252	F14
2118	M25	3142	N25	7253	D18
2119	M25	3143	I15	7254	D24
2121	K13	3146	B25		
2123	K32	3147	C26		
2125	B26	3148	C25		
2130	D 2	3151	D 3		
2131	N18	3152	C 3		
2133	N14	3153	B 3		
2134	L15	3155	C 4		
2138	C27	3156	G 4		
2139	E27	3157	L33		
2140	E27	3158	D 5		
2146	L33	3159	D 2		
2147	C 4	3160	D 6		
2148	G 3	3161	G 3		
2149	K 3	3162	K 4		
2150	C 2	3163	H 6		
2151	D 4	3164	H 2		
2152	D 5	3165	L 6		
2153	C 5	3166	L 2		
2154	M 7	3168	L 3		
2155	H 2	3169	B 5		
2156	H 3	3170	M 8		
2157	H 4	3171	M 6		
2158	G 5	3172	M 7		
2159	L 2	3173	H 5		
2160	L 3	3174	L 5		
2161	L 4	3212	I13		
2162	L 5	3217	M17		
2164	C21	3251	B22		
2166	D 8	3252	B23		
2167	H 8	3253	B23		
2168	M 8	3254	B22		
2169	M 5	3255	B22		
2172	F12	3256	M 4		
2173	H12	3262	F27		
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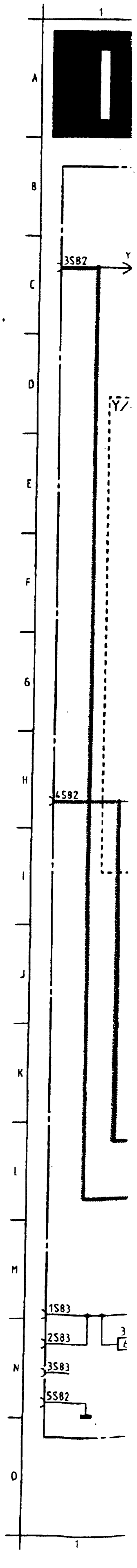
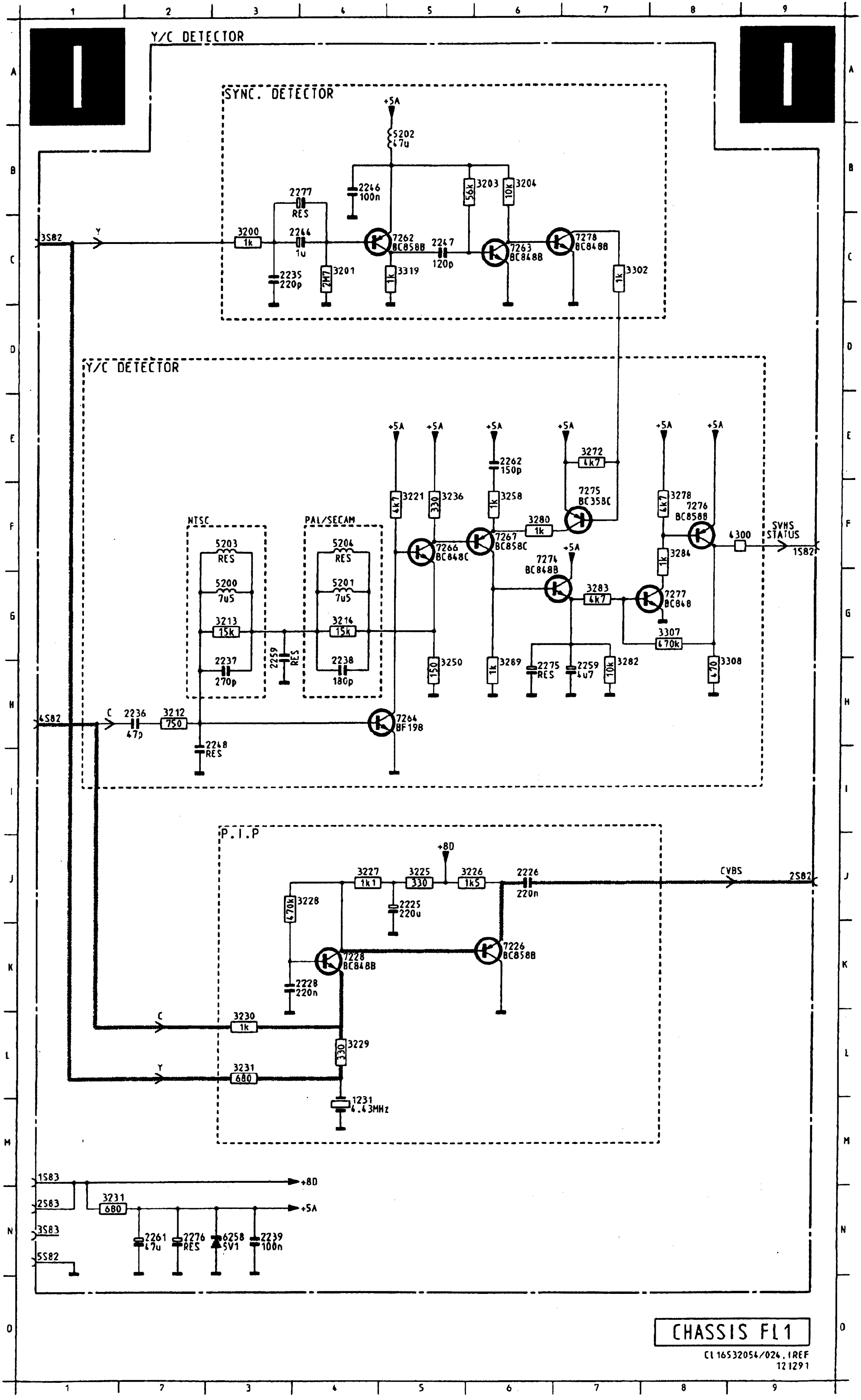
2175	L12	3275	L14		
2175	F 7	3279	G20		
2176	B 7	3280	F20		
2178	J 7	3281	F21		
2179	E24	3296	N 7		
2180	E23	3297	N 7		
2182	N 2	3298	L 5		
2182	N 8	3299	G 5		
2182	N 6	3301	A 8		
2185	G22	3302	E 8		
2186	G20	3303	J 8		
2187	M30	3304	E 2		
2188	M26	3305	D 2		
2199	D 7	3306	E 3		
2201	K28	3310	I 4		
2233	C26	4007	I27		
2250	F21	5100	J28		
2251	C24	5101	N28		
2252	C25	5102	C26		
2253	D23	5104	M11		
2254	E23	5105	A15		
2255	C20	5106	D15		
2256	F24	5107	F15		
2257	F25	5109	C20		
2258	F25	5150	C 4		
2259	F26	5151	G 4		
2260	F26	5152	L 4		
2261	G26	6102	I27		
2262	G27	6103	M27		
2270	A15	6150	M 5		
2271	D15	6160	F21		
2272	F15	6250	C24		
2277	C20	7100	J15		
2286	L 7	7103	I16		
2287	H 7	7105	C25		
2289	L 8	7108	K32		
2291	L 8	7110	G21		
2293	H 8	7111	G20		
2295	H 8	7113	J14		
2297	D 8	7116	J29		
2298	C10	7117	N29		
2299	D 8	7119	C 5		
2301	C 7	7120	C 6		
2302	G 7	7121	G 6		
2303	K 7	7122	K 6		
2304	B 9	7123	N 6		
2305	F 9	7124	G 4		
2306	J 9	7125	K 4		
2307	B 7	7157	L16		
2308	F 7	7158	L15		
2309	K 7	7159	C 3		
2312	C11	7160	B 3		
3100	K29	7170	N 8		
3101	L28	7204	I18		
3102	L29	7205	I21		
3103	L29	7206	M 9		
3104	M32	7206	J30		
3110	J16	7206	J31		
3111	J15	7206	J32		
3113	J14	7207	M11		
3114	J15	7207	N30		


1
A
B
3S82
Y
C
D
Y/
E
F
G
H
4S92
I
J
K
L
M
1S83
2S83
3
3S83
N
5S82
O
1

Y/C Detector Y/C Detektor Détecteur Y/C

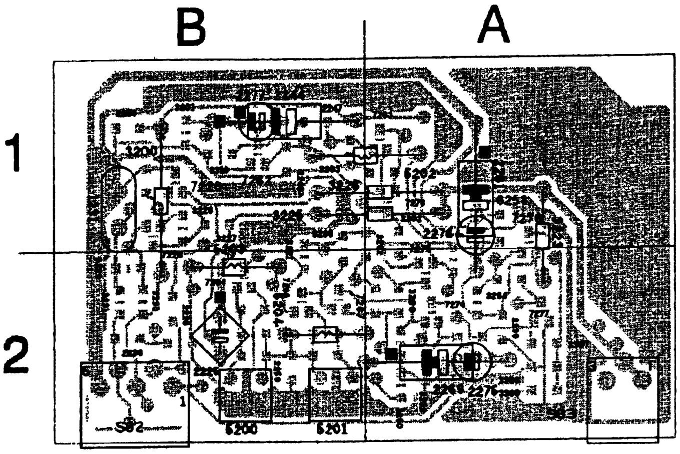

Y/C DETECTOR
SYNC. DETECTOR
+5A
5202 47u
2277 RES
2246 100n
3203 56k
3204 10k
3S82
Y
3200 1k
2244 1u
7262 BC858B
2247 120p
7263 BC848B
7278 BC848B
2235 220p
2M7 3201
3319 1k
3302 1k
Y/C DETECTOR
+5A
2262 150p
3272 4k7
7275 BC358C
3221 4k7
3236 330
3258 1k
3278 4k7
7276 BC858B
NTSC
PAL/SECAM
5203 RES
5204 RES
5200 7u5
5201 7u5
3213 15k
3214 15k
2237 270p
2238 180p
2259 RES
7266 BC848C
7267 BC858C
3280 1k
7274 BC848B
3283 4k7
7277 BC848
3284 1k
4300
SVHS STATUS
1S82
3307 470k
3250 150
3289 1k
2275 RES
2259 4u7
3282 10k
3308 470
4S82
C
2236 47p
3212 750
2248 RES
7264 BF198
P.I.P
+8D
3227 1k1
3225 330
3226 1k5
2226 220n
CVBS
2S82
3228 470k
2225 220u
7228 BC848B
7226 BC858B
2228 220n
C
3230 1k
3229 330
Y
3231 680
1231 4.43MHz
1S83
2S83
3S83
5S82
3231 680
+8D
+5A
2261 47u
2276 RES
6258 5V1
2239 100n
CHASSIS FL1
CL 16532054/024.IREF
121291
1 2 3 4 5 6 7 8 9
A B C D E F G H I J K L M N O

1231	M	4
2225	J	5
2226	J	6
2228	K	3
2235	C	3
2236	H	2
2237	H	3
2238	H	4
2239	N	3
2244	C	4
2246	B	4
2247	C	5
2248	I	2
2259	G	3
2259	H	7
2261	N	2
2262	E	6
2275	H	6
2276	N	2
2277	B	4
3200	C	3
3201	C	4
3203	B	5
3204	B	6
3212	H	2
3213	G	3
3214	G	4
3221	F	5
3225	J	5
3226	J	5
3227	J	4
3228	J	4
3229	L	4
3230	L	3
3231	L	3
3231	N	1
3236	F	5
3250	G	5
3258	F	6
3272	E	7
3278	F	8
3280	F	6
3282	G	7
3283	G	7
3284	F	8
3289	G	6
3302	C	7
3307	G	8
3308	G	8
3319	C	5
4300	F	9
5200	G	3
5201	G	4
5202	B	5
5203	F	3
5204	F	4
6258	N	3
7226	K	6
7228	K	4
7262	C	5
7263	C	6
7264	H	5
7266	F	5
7267	F	6
7274	F	6
7275	F	7
7276	F	8
7277	G	8
7278	C	7

Y/C

31	M 4
25	J 5
26	J 6
28	K 3
35	C 3
36	H 2
37	H 3
38	H 4
39	N 3
44	C 4
46	B 4
47	C 5
48	I 2
59	G 3
59	H 7
61	N 2
62	E 6
75	H 6
76	N 2
77	B 4
00	C 3
01	C 4
03	B 5
04	B 6
12	H 2
13	G 3
14	G 4
24	F 5
25	J 5
26	J 5
27	J 4
28	J 4
29	L 4
30	L 3
31	L 3
31	N 1
36	F 5
50	G 5
58	F 6
72	E 7
78	F 8
30	F 6
32	G 7
33	G 7
34	F 8
39	G 6
02	C 7
07	G 8
08	G 8
19	C 5
00	F 9
00	G 3
01	G 4
02	B 5
03	F 3
04	F 4
58	N 3
26	K 6
28	K 4
52	C 5
53	C 6
54	H 5
56	F 5
57	F 6
74	F 6
75	F 7
76	F 8
77	G 8
78	C 7

Y/C Detector panel
Y/C Detektor Platine
Platine du détecteur Y/C



S82 B2	2239 A2	2276 A1	3221 B2	3250 A2	3307 A2	6258 A1	7276 A1
S83 A2	2244 B1	2277 B1	3223 A1	3258 B2	3308 A2	7226 B1	7277 A2
1231 B1	2246 B1	3190 A2	3225 A1	3272 A2	3319 B1	7228 B1	7278 A1
2225 B2	2247 B1	3200 B1	3226 A1	3278 A2	3991 A2	7262 B1	
2226 B2	2248 B2	3201 A1	3227 B1	3280 A2	4300 A2	7263 A1	
2228 B1	2259 B2	3203 B1	3228 B1	3282 A2	5200 B2	7264 B2	
2235 B1	2261 A1	3204 A1	3229 B2	3283 A2	5201 B2	7266 B2	
2236 B2	2262 B2	3212 B2	3230 B2	3284 A2	5202 B1	7267 B2	
2237 B2	2269 A2	3213 B2	3231 B2	3289 A2	5203 B2	7274 A2	
2238 B2	2275 A2	3214 B2	3236 B2	3302 A2	5204 B2	7275 A2	

Electrical adjustments

Setting conditions

- Unless stated otherwise, the supply voltage used is:
  220 - 240V ± 10%; 50 - 60Hz ± 5%
- Voltages and oscillograms are measured in relation to tuner earth. **Never** use the cooling plates as earth.
- Warming-up time ≈ 10 minutes
- For all measurements it is true that:
  probe Ri > 1MΩ; Ci < 10pF

1. Electrical settings on the large signal panel

1.1 +141V supply voltage
Supply the mains voltage; this must be isolated from the mains.
Connect a voltmeter over C2238.
Using R3371, on the SOPS DRIVE CIRCUIT (fig. 7.2) set the supply voltage to + 141V ± 0.5V.

1.2 Focusing
This is set with the focus potentiometer (top one on the Line output transformer).

1.3 Vg2 setting
Supply an aerial signal.
Set the contrast to maximum and the brightness and saturation to nominal.
Using an oscilloscope set to field frequency, measure the direct voltage level of the measurement pulse (fig. 7.1) on pin 9 of IC7705, IC7706 and IC7707 in relation to earth.
Now adjust the highest voltage level found with the aid of the Vg2 potentiometer (bottom left on the Line output transformer) to 150V ± 2V.

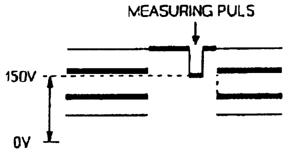


Fig. 7.1

1.4 Stable OSD
Short circuit pin 11 IC7401 to pin 13 IC7401
Short circuit pin 5 IC7755 to earth.
Measure the frequency on pin 16-IC7401 and set this to 15,625 Hz ± 25 Hz with R3434.
Remove the short circuits.

1.5 Horizontal synchronisation
Connect point 5-IC7400 to point 9-IC7400.
Supply an aerial signal and set the receiver.
Adjust potentiometer R3406 until the picture is straight.
Break the through connection.

1.6 Horizontal centring
Set using potentiometer R3513.

1.7 Picture width
Set using potentiometer R3607.

1.8 Vertical centring
Set using potentiometer R3467.

1.9 Picture height
Set using potentiometer R3410.

1.10 East/West correction
Set using potentiometer R3602.

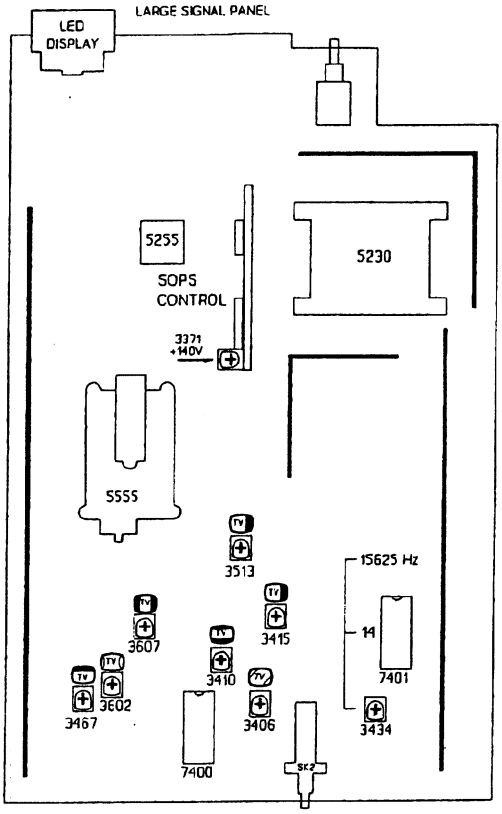


Fig. 7.2

Electrical adjustments

2. Electrical settings on the small signal panel

2.1 Stereo audio channel separation
Connect a signal generator with a 2 carrier stereo signal ("stereo" mode).
Select 1kHz for the right-hand channel and switch off the sound for the left-hand channel.
Connect an oscilloscope to pin 3 of Euroconnector EXT1
Using R3602 on the small signal panel, set the amplitude of the signal to minimum amplitude.

2.2 4.43 MHz chroma suppression circuit
Supply a colour bar signal. Connect an oscilloscope to point 17 of IC7324 and set L5305 to minimum amplitude of the chrominance signal.

2.3a Electrical settings for sets with IC7364 - TDA4510

a-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.43 MHz. Connect the unit to EXT1.
Connect an oscilloscope to pin 9-IC7364.
Set L5354 to maximum amplitude.

a-2 Chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7364 (TDA4510) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

2.3b Electrical settings for sets with IC7365 - TDA4650

b-1 Chroma bandpassfilter
Connect a signal generator (e.g. PM 5326) to pin 20 of the euroconnector (EXT1) and set its frequency to 4.286 MHz/0.2 Vpp. Switch the unit to EXT1. Connect pin 27-IC7365 to pin 13-IC7365 (+12V). Connect an oscilloscope to pin 15-IC7365.
Set L5345 to maximum amplitude.
Remove the interconnection.

b-2 4.50 MHz NTSC sound suppression
Connect a generator to point 20 of Euroconnector EXT1 with a frequency of 4.50 MHz and 200mV_{rms}.
Connect point 26-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-3 6.50 MHz SECAM DK sound suppression
Connect a sine-wave generator to point 20 of Euroconnector EXT1 with a frequency of 6.50 MHz and 200mV_{rms}.
Connect point 28-IC7365 to point 13-IC7365.
Connect an oscilloscope to point 15 of IC7365.
Set L5346 to minimum amplitude.
Remove the short circuit.

b-4 Chroma 8,87 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set C2380 so that the colour on the screen has practically stopped. Remove the interconnection.

b-5 Chroma 7,16 MHz auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7365 (TDA4650) to earth. Set R2379 so that the colour on the screen has practically stopped. Remove the interconnection.

b-6 SECAM demodulators
Connect a pattern generator and supply a SECAM black pattern. Connect an oscilloscope to pin 3-IC7365. Set L5370 to minimum amplitude.
Connect the oscilloscope to pin 1-IC7365. Set R3370 to minimum amplitude.

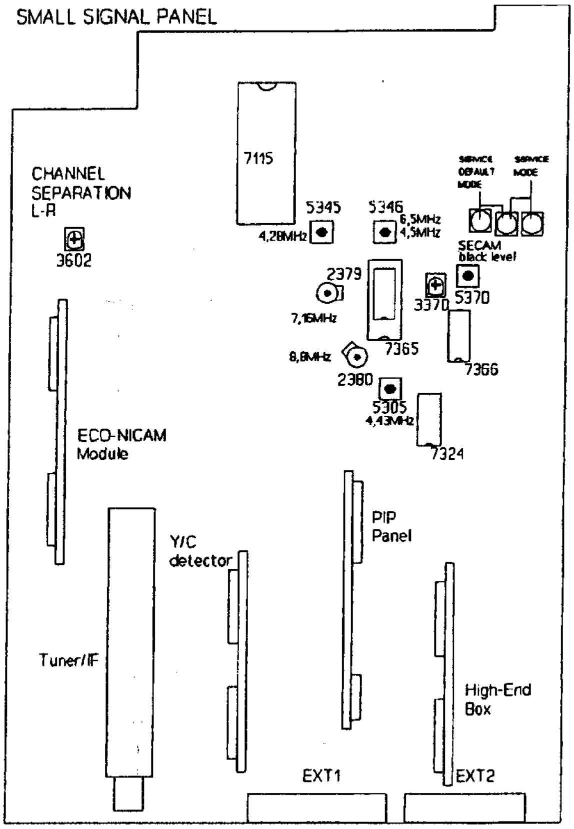


Fig. 7.3

PAL
5
he colour
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PAL
5
ne colour
nove the

SECAM
pin
de.
. Set

-End

3. Electrical adjustments on the high-end box

3.1 Synchronisation
Connect point 5 of IC7203 to earth. Adjust R3228 until the picture is straight.
Remove the short circuit.

3.2 13.5 MHz oscillator
Measure the signals at point 1 of IC7205 and at point 5 Of IC7203 simultaneously with an oscilloscope (fig. 7.2). Adjust coil L5100 so that the positive-going flank of the signal at point 1 of IC7205 comes 7.62 μsec after the negative-going flank of the sync pulse in the video signal (point 5 of IC7203).

3.3 27 MHz oscillator
Apply a PAL/SECAM signal. Short pin 28 of IC7204 to earth. Measure the frequency at point 6 of IC7207. Using L5101 set the frequency to 27 MHz ± 50 kHz.

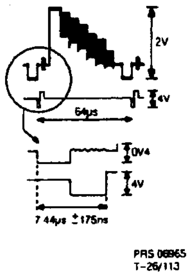

2V
4V
64μs
0V4
4V
7.44μs ±175ns
PRS 08965
T-26/113

Fig. 7.4

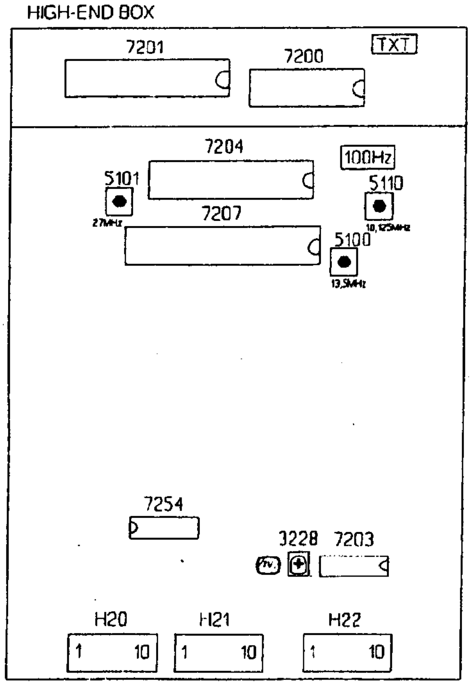

HIGH-END BOX
7201
7200
TXT
7204
100Hz
5101
27MHz
5110
10,125MHz
7207
5100
13,5MHz
7254
3228
7203
H20
H21
H22
1
10
1
10
1
10

Fig. 7.5

4. Electrical settings on the ECO-NICAM decoder panel

4.1 Neutral frequency adjustment
Connect a frequency counter via a probe (Ci ≤15pF) to pin 19 of IC7001 (SAA 7280) and pin 15 (GND).
Adjust C2015 in such a manner that the clock frequency is set at 728.025 kHz. (± 5Hz)

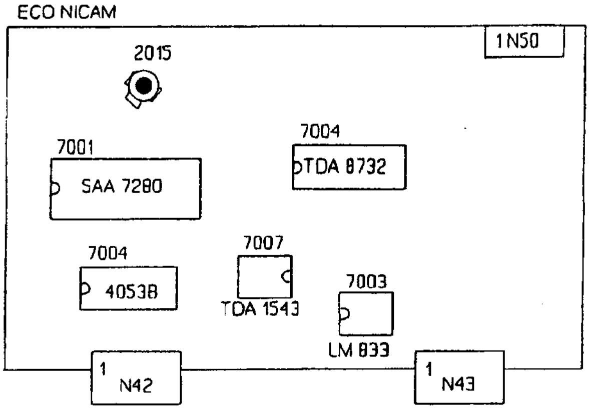

ECO NICAM
1N50
2015
7001
SAA 7280
7004
TDA 8732
7004
40538
7007
TDA 1543
7003
LM 833
1
N42
1
N43

Fig. 7.6

5. Y/C detector adjustment

PAL/SECAM
Inject a chroma signal of 4.418 MHz/200mV on pi 15 of EXT2 SCART (PL05).
Connect an oscilloscope to the collector of T7266 (T7). Using L5201 adjust the 4.418 MHz signal to maximum amplitude.

NTSC
As PAL/SECAM but with a signal of 3.582 MHz/200mV. Adjust with L5200.

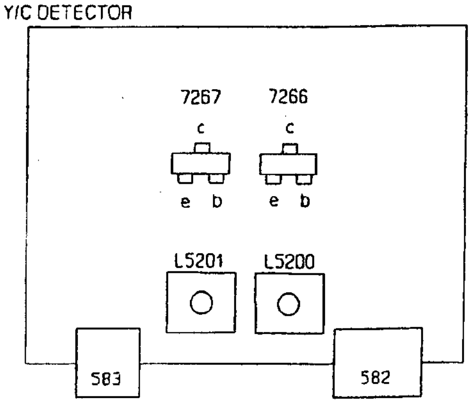

Y/C DETECTOR
7267
7266
c
c
e b
e b
L5201
L5200
583
582

Fig. 7.7

6. Electrical settings on the PIP panel

Before carrying out each setting, it should be ensured that a P.I.P. picture with colour bar is visible on the screen and the unit should have reached its operating temperature (after ≈ 20 min.).

6.1 Horizontal synchronisation
Supply an aerial or generator signal.
Connect pin 28-IC7125 to pin 13-IC7125.
Connect pin 5-IC7755 to earth.
Measure the frequency on pin 17-IC7755 and set this to 15,625 Hz ± 25 Hz with R3239.
Remove the short circuits.

6.2 AGC
If the picture from a strong local transmitter is distorted, adjust 3160 until the picture is not distorted.

6.3a Setting for PIP modules with TDA4510

a-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.43 MHz/0.2Vpp.
Connect an oscilloscope to pin 9-IC7126.
Set L5118 to maximum amplitude.

a-2 PAL chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 11-IC7126 (TDA4510) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

a-3 The delayline
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7126 (TDA4510). Connect the Y-input of the oscilloscope to 2-IC7126 (TDA4510). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

6.3b Setting for PIP modules with TDA4554

b-1 Chroma bandpass filter
Connect a signal generator (e.g. PM 5326) to pin 10 of P17 and set its frequency to 4.286 MHz/0.2 Vpp.
Connect pin 27-IC7125 to 13-IC7125. Connect an oscilloscope to pin 15-IC7125.
Set L5118 to maximum amplitude.
Remove the interconnection.

b-2 PAL chroma auxiliary oscillator
Connect a pattern generator and supply a PAL colour bar pattern. Connect pin 17-IC7125 (TDA4554) to earth.
Set C2202 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-3 NTSC chroma auxiliary oscillator
Connect a pattern generator and supply an NTSC M colour bar pattern. Connect pin 17-IC7125 to earth. Set C2212 so that the colour of the PIP picture is practically still.
Remove the interconnection.

b-4 The delay line
Connect a pattern generator and supply a PAL colour bar signal. Connect the X-input of the oscilloscope to pin 1-IC7125 (TDA4554). Connect the Y-input of the oscilloscope to pin 3-IC7125 (TDA4554). Set the oscilloscope to the X-Y position.
Set L5155 and L5157 so that the vectors lie in one line (points which are furthest from the origin).
Set the pattern generator to the "DEM" mode.
Set R3157 so that the vectors lie on top of one another in the origin.

b-5 SECAM identification
Connect a pattern generator and supply a SECAM colour bar signal.
Connect pin 27-IC7125 to pin 13-IC7125.
Connect an oscilloscope to pin 21-IC7125.
Adjust L5190 to maximum DC level.
Remove the interconnection.

b-6 SECAM demodulators
Connect a pattern generator and supply a SECAM signal without contents (black). Connect pin 27-IC7125 to pin 13-IC7125. Connect an oscilloscope to pin 1-IC7125. Using L5175, set the DC level during the scan equal to the DC level during the flyback.
In the same way set L5170, but now measure at pin 3-IC7125.
Remove the interconnection.

PIP MODULE

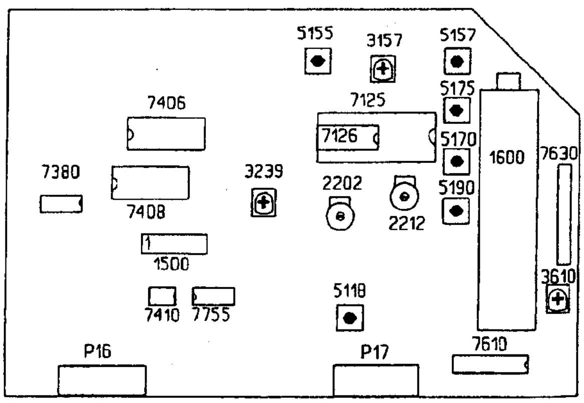


Fig. 7.8

7. A

Sv
an
ot
In
th

SE
a
b
c
d

In
th
de
m
W
pr
m

7.1 Wi
Cc
pic
-
-

-

7.2 Op
Th
for
se
un
in
co

A
po
nu

Op
Th
ha
the

Fo
Fu
Frc
A I

Op

Op
Th
ha
the

Fo
Fu
IC7
10

Op

7. Adjustments in the service menu

Switch in the service menu by connecting pins S23 and S24 on the small-signal panel briefly with each other (see section 9).
In the Service Mode the following menu appears in the picture:

SERVICE YY-MM-DD
a option 1 xxx
b option 2 xxx
c green xxx
d blue xxx

In this menu "YY-MM-DD" is the release date of the software which is present in the set. The desired adjustment can be selected with the aid of menu keys a, b or c on the remote control.
When the "PP store" key on the local keyboard is pressed, the adjusted values are stored in the memory and the Service Mode is left.

7.1 White balance

Connect a pattern generator and choose a white picture.

- Select c (green) or d (blue)
- Using P +/- adjust the values of green ("GREEN") and blue ("BLUE") until the desired white balance has been reached.
- Store the selected value by pressing the "PP store" key on the local keyboard.

7.2 Options

The control unit used in this set has been prepared for operation of all the functions possible with this set. For correct operation, however, the control unit has to "know" the functions/features located in the set. This is done with a so-called option code.

A number is allocated to each function. The possible functions are shown with their respective numbers in the tables alongside.

Optioncode 1
The numbers of the functions shown in the table have to be added to each other. The total forms the number for option code 1.

For example, a set has:

Function	*Number*
Front-end FQ618/ME/IF	2
A PIP module	8
	— +
Optioncode 1 now becomes	10

Option code 2
The number of the functions shown in the table have to be added to each other. The total forms the number for option code 2.

For example, a set has:

Function	*Number*
IC7175 present on SSP	1
100 Hz high-end box	4
	--- +
Option code 2 now becomes	5

The option codes are set as follows:

- Select a: option 1 or b: option 2
- Using P +/- set the desired option number.
- Store the value chosen by pressing the "**PP store**" key on the local keyboard.

These option codes are software adaptations. If the set has to be equipped for these features, the necessary hardware has also to be fitted.

Optioncode 1

Nbr.	**Function**
0	**Front end = FQ816/IF** A reception of PAL BG or PAL BG and SECAM BG is now possible.
1	**Front end = FQ844** Only reception of the UHF band is now possible.
2	**Front end = FQ816/ME/IF** Reception of SECAM L but not of SECAM L' is now possible (reception of NTSC-M is now usually also possible).
4	**Front end = FQ816/MF/IF** Reception of both SECAM L and SECAM L' is now possible (NTSC M reception is generally possible now via the Euroconnector).
8	**PIP module fitted** This makes it possible to show PIP (Picture In Picture) displays.
16	**NTSC-M reception possible** This is normally always in combination with front end FQ816/ME/IF or FQ816/MF/IF.
32	**SECAM DK module fitted** In this case transmissions using the SECAM DK system can also be received.
64	**NICAM module fitted** In this case the digital sound with NICAM transmission can be received.
128	**Second front end for PIP fitted** If this second front end is fitted a second transmitter can be displayed in the PIP picture. The PIP function (number 8) still applies.

Optioncode 2

Nbr.	**Function**
1	**IC7175 present on SSP** Applicable in case IC7175 (PCF8574) is present on the SSP (this is the case in all FL1.1 AC sets).
4	**100 Hz High-end box fitted** This will always be the case.
32	**NICAM module present** In this case the digital sound broadcast in NICAM transmissions can also be received (see further the number 64 of option code 1).

Repair tips

1. The Service Default Mode

The FL1.1 is equipped with a service default mode. The service default mode is a fixed, definite state to which the set can be switched.

1.1 Definition state

The definition of the fixed state in the service default mode is as follows:

- all sound and picture controls are in the central position (exception volume which is turned down)
- tuned to 475.25 MHz
- system:
  - * PAL/SECAM BG for Multi Europe
  - * PAL I for UK
  - * SECAM L for Multi French

1.2 Switch on and off

The service default mode is switched on by shorting pins S24 and S25 on the small signal panel.

The service default mode can only be switched off by switching the set to stand-by. If the set is switched off and then on again using the mains switch or the mains plug, the service default mode will remain on.

If the set switches to stand-by immediately after switching-on, the set cannot be operated and also cannot be switched to the service default mode. The child-proof lock has already been activated.
To deactivate the child-proof lock the following series of commands has to be given using the remote control (see also Section 9):
<MENU>-<BLUE>-<RED>-<MENU+>-
<MENU OFF>

1.3 Fault signals

To indicate that the set is in the service default mode, the following is displayed on the screen:

SERVICE 00 00 05 06 05

The five numbers after the word "service" stand for the last five fault signals noted by the operator(s). The number on the extreme right represents the last fault signal, that on the extreme left the last fault signal but 4.
Since this enables fault reports to be looked at afterward, it means that intermittent faults can be traced.
When the set leaves the service default mode, the fault-report memory is cleared.

1.4 Operation

During the service default mode the set will accept all operating commands. When, however, the set is switched off and on, it will return to the state as defined above.

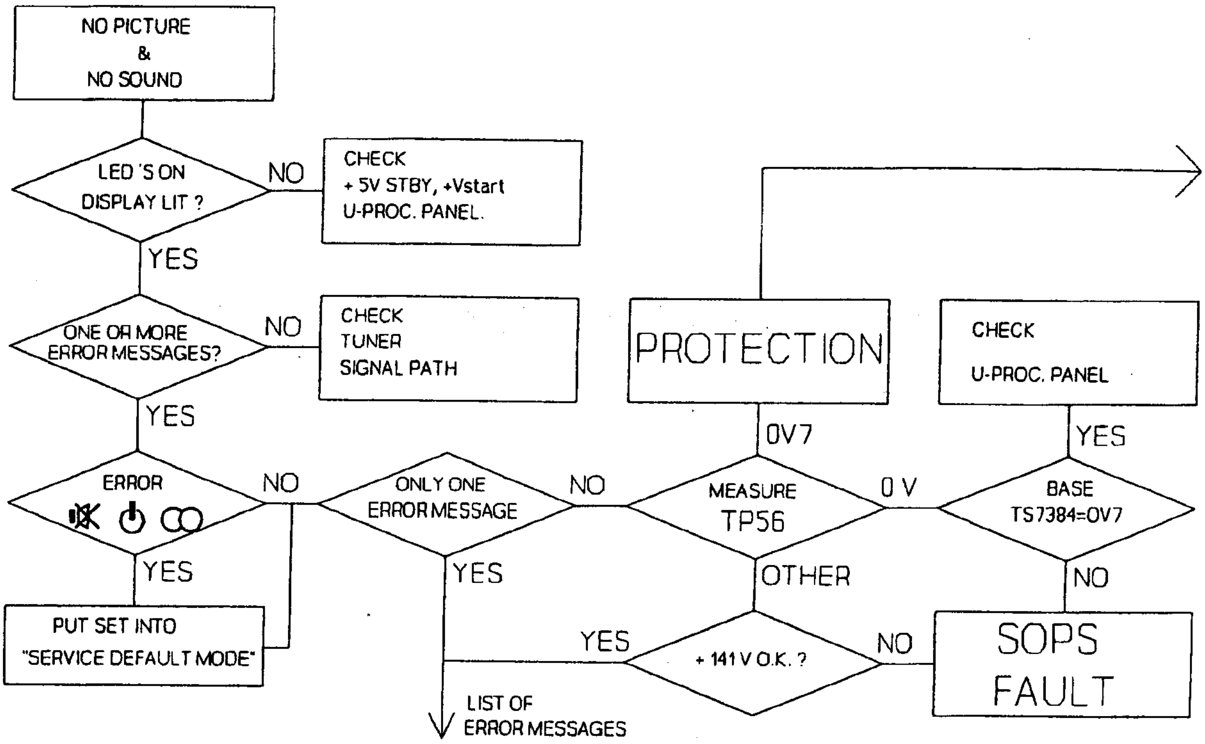
2. Software protection

If it is observed by the control that the front end has ceased to give an I²C response, or that IC7430, IC7600 and also IC 7680 are no longer giving any response, the set will switch to the protection mode since it will be assumed that the +5 V or the +13 V power-supply voltage is absent. This software protection device consists of a fault signal (LEDs ⏻ ✲ ∞ , code99) and the switching of the set to stand-by. To enable the fault to be traced, the set has now to be switched to the service default mode. The software protection system is then switched out of circuit.

3. Replacement of EEPROM IC7137

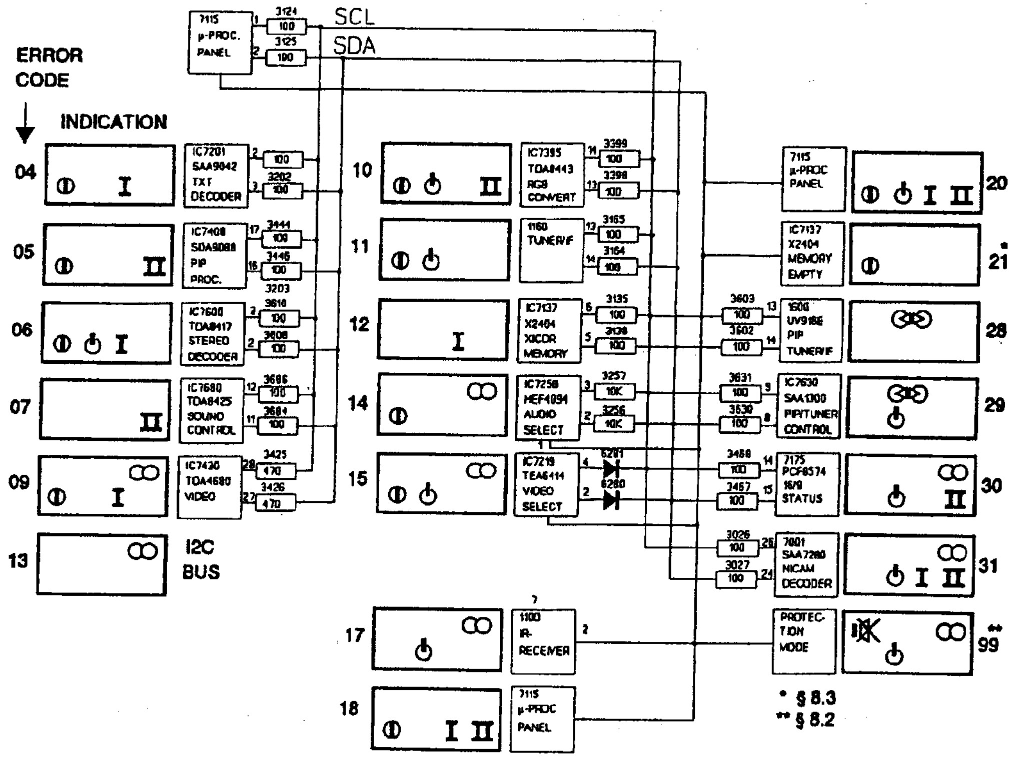
If, during a repair, the EEPROM has to be replaced, the microprocessor will detect that the EEPROM is empty. A fault signal (No. 21) will then be displayed.
If the service mode is now activated (see section 7), the microprocessor will load the EEPROM with a number of standard values for the white balance and the other linear settings. These values, however, must all be checked and, if necessary, re-adjusted.
All options have also to be set, the programs installed and the personal preference set.

Faultfindingtree

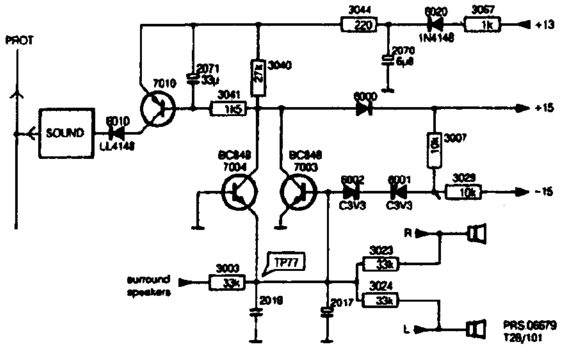

NO PICTURE & NO SOUND
LED 'S ON DISPLAY LIT ?
NO
CHECK + 5V STBY, +Vstart U-PROC. PANEL.
YES
ONE OR MORE ERROR MESSAGES?
NO
CHECK TUNER SIGNAL PATH
YES
ERROR
NO
ONLY ONE ERROR MESSAGE
NO
MEASURE TP56
0 V
BASE TS7384=0V7
YES
CHECK U-PROC. PANEL
PROTECTION
0V7
YES
PUT SET INTO "SERVICE DEFAULT MODE"
YES
OTHER
NO
YES
+ 141 V O.K. ?
NO
SOPS FAULT
LIST OF ERROR MESSAGES

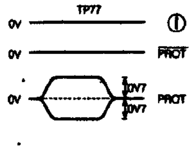
List of error messages

I^2C Blockdiagram

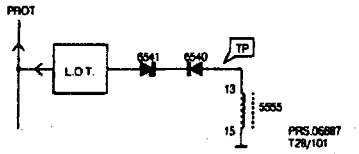

ERROR CODE
INDICATION
7115 µ-PROC. PANEL
3124 100
3125 100
SCL
SDA
04
IC7201 SAA9042 TXT DECODER
3202
05
IC7408 SDA9088 PIP PROC.
3444
3446
3203
06
IC7600 TDA8417 STEREO DECODER
3610
3608
07
IC7680 TDA8425 SOUND CONTROL
3686
3684
09
IC7430 TDA4680 VIDEO
3425 470
3426 470
13
I2C BUS
10
IC7395 TDA8443 RGB CONVERT
3399
3398
11
1160 TUNER/IF
3165
3164
12
IC7137 X2404 XICOR MEMORY
3135
3136
14
IC7258 HEF4094 AUDIO SELECT
3257 10K
3256 10K
15
IC7219 TEA6414 VIDEO SELECT
6281
6280
17
1100 IR-RECEIVER
18
7115 µ-PROC PANEL
7115 µ-PROC PANEL
20
IC7137 X2404 MEMORY EMPTY
21 *
3603
3602
1600 UV916E PIP TUNER/IF
28
3631
3630
IC7630 SAA1300 PIP/TUNER CONTROL
29
3468
3467
7175 PCF8574 16/9 STATUS
30
3026
3027
7001 SAA7280 NICAM DECODER
31
PROTECTION MODE
99 **
* § 8.3
** § 8.2

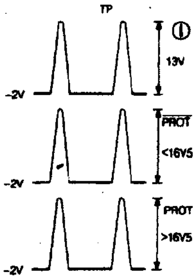
Protection

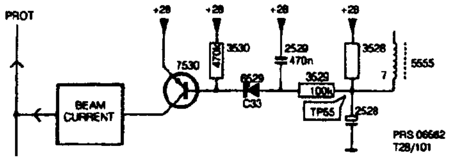

PROT
SOUND
6010
LL4148
7010
2071
33μ
3041
1k5
3040
27k
3044
220
6020
1N4148
3067
1k
+13
2070
6μ8
6000
+15
3007
10k
BC848
7004
BC848
7003
6002
C3V3
6001
C3V3
3029
10k
-15
R
L
3023
33k
3024
33k
TP77
3003
33k
surround speakers
2018
2017
PRS 06679
T28/101

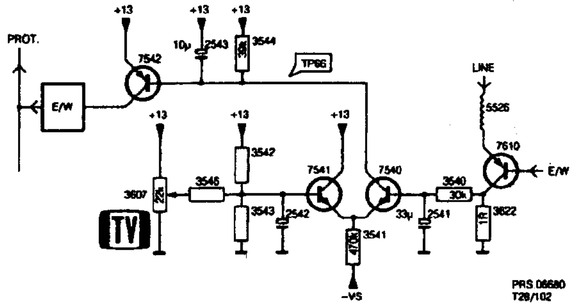

TP77
0V
①
0V
PROT
0V
0V7
0V7
PROT

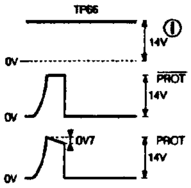
EHT

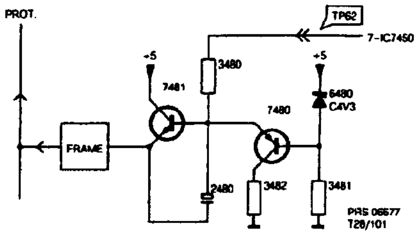

PROT
L.O.T.
6541
6540
TP
13
5555
15
PRS.06687
T28/101

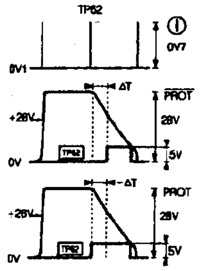

TP
①
13V
-2V
PROT
<16V5
-2V
PROT
>16V5
-2V


PROT
BEAM CURRENT
+28
+28
+28
+28
7530
3530
470k
6529
C33
2529
470n
3529
100k
TP55
3528
7
5555
2528
PRS 06682
T28/101

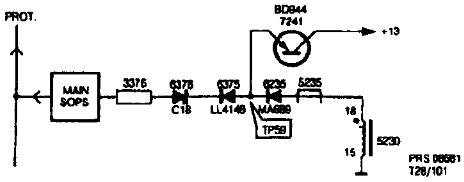

PROT.
E/W
+13
+13
+13
7542
10μ
2543
3544
39k
TP66
LINE
5526
+13
+13
+13
3542
7541
7540
7610
E/W
3607
22k
3546
3543
2542
3541
470k
33μ
2541
3540
30k
3622
1R
TV
-VS
PRS 06680
T28/102

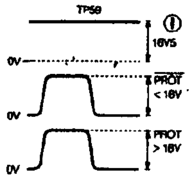

TP66
①
14V
0V
PROT
14V
0V
0V7
PROT
14V
0V


PROT.
TP62
7-IC7450
+5
3480
+5
6480
C4V3
7481
7480
FRAME
2480
3482
3481
PRS 06677
T28/101


TP62
①
0V7
0V1
ΔT
PROT
+28V
28V
TP62
0V
5V
ΔT
PROT
+28V
28V
TP62
0V
5V

+V


PROT.
BD944
7241
+13
MAIN SOPS
3376
6376
C18
6375
LL4148
6235
MA689
5235
TP59
18
5230
15
PRS 06681
T28/101


TP59
①
16V5
0V
PROT
< 18V
0V
PROT
> 18V
0V

4. S
D

4.1 G
a. O
sc
b. A
ox
di
hu
Th
m
c. Rc
m
ci
sh
m
he
cc
Ne
ca
Sl
su

4.2 Ri
a. He
th
foi
so
so
b. Wl
it
ea
c. Re
m

Caution
a. Wl
pre
b. Wl
wit
c. Th
pre
(sc
d. Th

4. Servicing of SMDs (Surface Mounted Devices)

4.1 General cautions on handling and storage

a. Oxidation on the terminals of SMDs results in poor soldering. Do not handle SMDs with bare hands.

b. Avoid using storage places that are sensitive to oxidation such as places with sulphur or chlorine gas, direct sunlight, high temperatures or a high degree of humidity.
The capacitance or resistance value of the SMDs may be affected by this.

c. Rough handling of circuit boards containing SMDs may cause damage to the components as well as the circuit boards. Circuit boards containing SMDs should never be bent or flexed. Different circuit board materials expand and contract at different rates when heated or cooled and the components and/or solder connections may be damaged due to the stress. Never rub or scrape chip components as this may cause the value of the component to change. Similarly, do not slide the circuit board across any surface.

4.2 Removal of SMDs

a. Heat the solder (for 2-3 seconds) at each terminal of the chip. By means of litz wire and a slight horizontal force, small components can be removed with the soldering iron. They can also be removed with a solder sucker (see Fig. 8.1A) or:

b. While holding the SMD with a pair of tweezers, take it off gently using the soldering iron's heat applied to each terminal (see Fig. 8.1B).

c. Remove the excess solder on the solder lands by means of litz wire or a solder sucker (see Fig. 8.1C).

Caution on removal:

a. When handling the soldering iron, use suitable pressure and be careful.

b. When removing the chip, do not use undue force with the pair of tweezers.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. The chip, once removed, must never be reused.

4.3 Attachment of SMDs

a. Locate the SMD on the solder lands by means of tweezers and solder the component on one side. Ensure that the component is positioned correctly on the solder lands (see Fig. 8.2A).

b. Next complete the soldering of the terminals of the component (see Fig. 8.2B).

Caution when attaching SMDs:

a. When soldering the SMD terminals, do not touch them directly with the soldering iron. The soldering should be done as quickly as possible; care must be taken to avoid damage to the terminals of the SMDs themselves.

b. Keep the SMD's body in contact with the printed board when soldering.

c. The soldering iron to be used (approx. 30 W) should preferably be equipped with a thermal control (soldering temperature: 225 to 250°C).

d. Soldering should not be done outside the solder land.

e. Soldering flux (of rosin) may be used, but should not be acidic.

f. After soldering, let the SMD cool down gradually at room temperature.

g. The quantity of solder must be proportional to the size of the solder land. If the quantity is too great, the SMD might crack or the solder lands might be torn loose from the printed board (see Fig. 8.3).

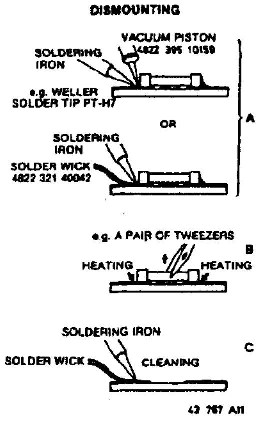

DISMOUNTING
VACUUM PISTON
4822 395 10159
SOLDERING IRON
e.g. WELLER
SOLDER TIP PT-H7
OR
A
SOLDERING IRON
SOLDER WICK
4822 321 40042
e.g. A PAIR OF TWEEZERS
B
HEATING
HEATING
SOLDERING IRON
C
SOLDER WICK
CLEANING
43 767 A11

Fig. 8.1

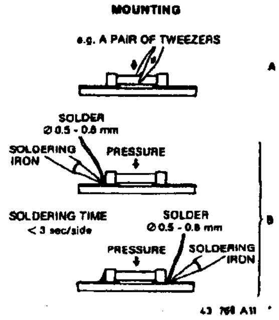

MOUNTING
e.g. A PAIR OF TWEEZERS
A
SOLDER
Ø 0.5 - 0.8 mm
SOLDERING IRON
PRESSURE
SOLDERING TIME
< 3 sec/side
SOLDER
Ø 0.5 - 0.8 mm
B
PRESSURE
SOLDERING IRON
43 768 A11

Fig. 8.2

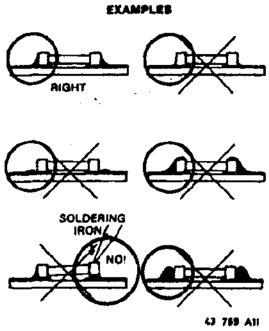
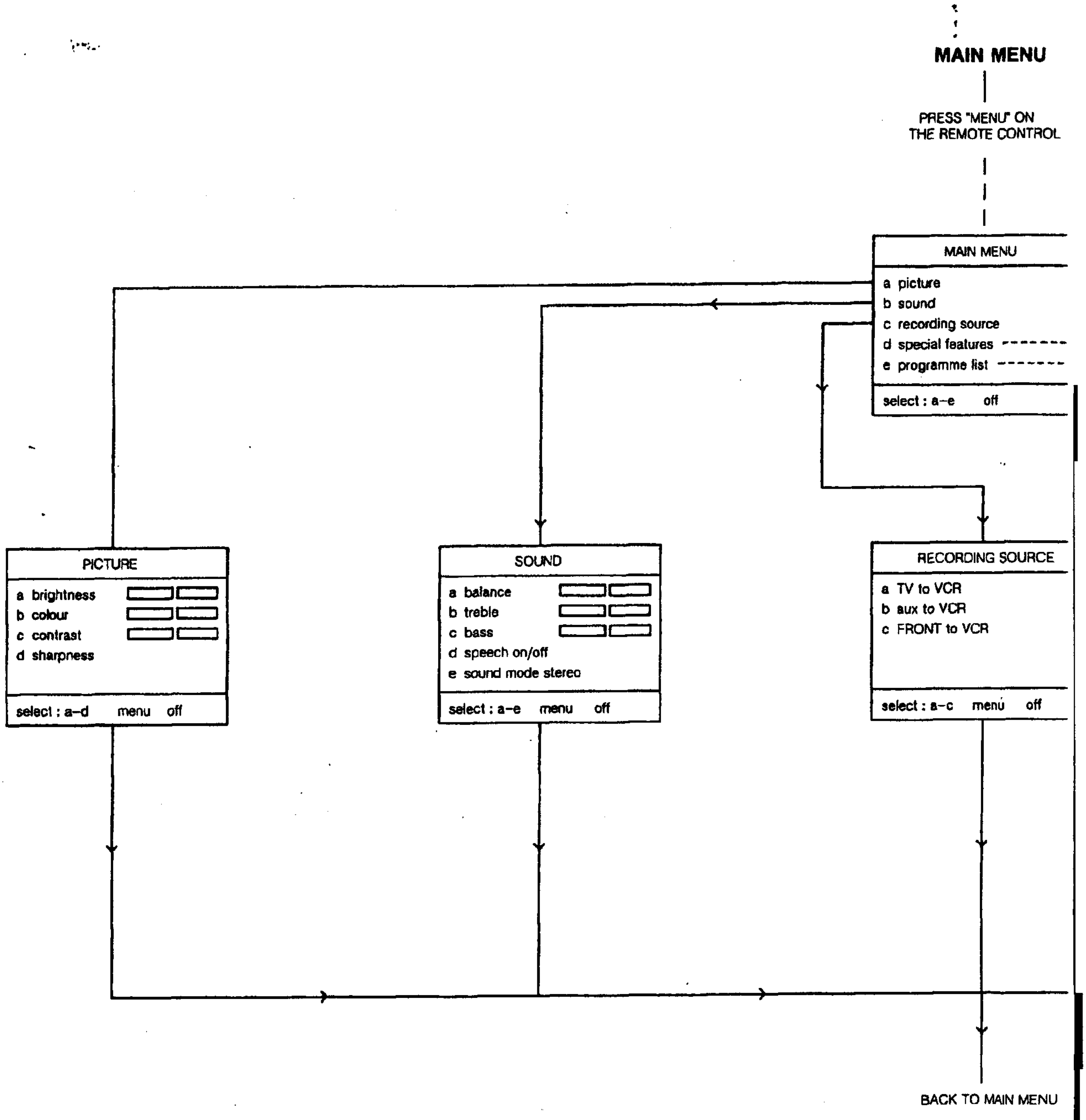
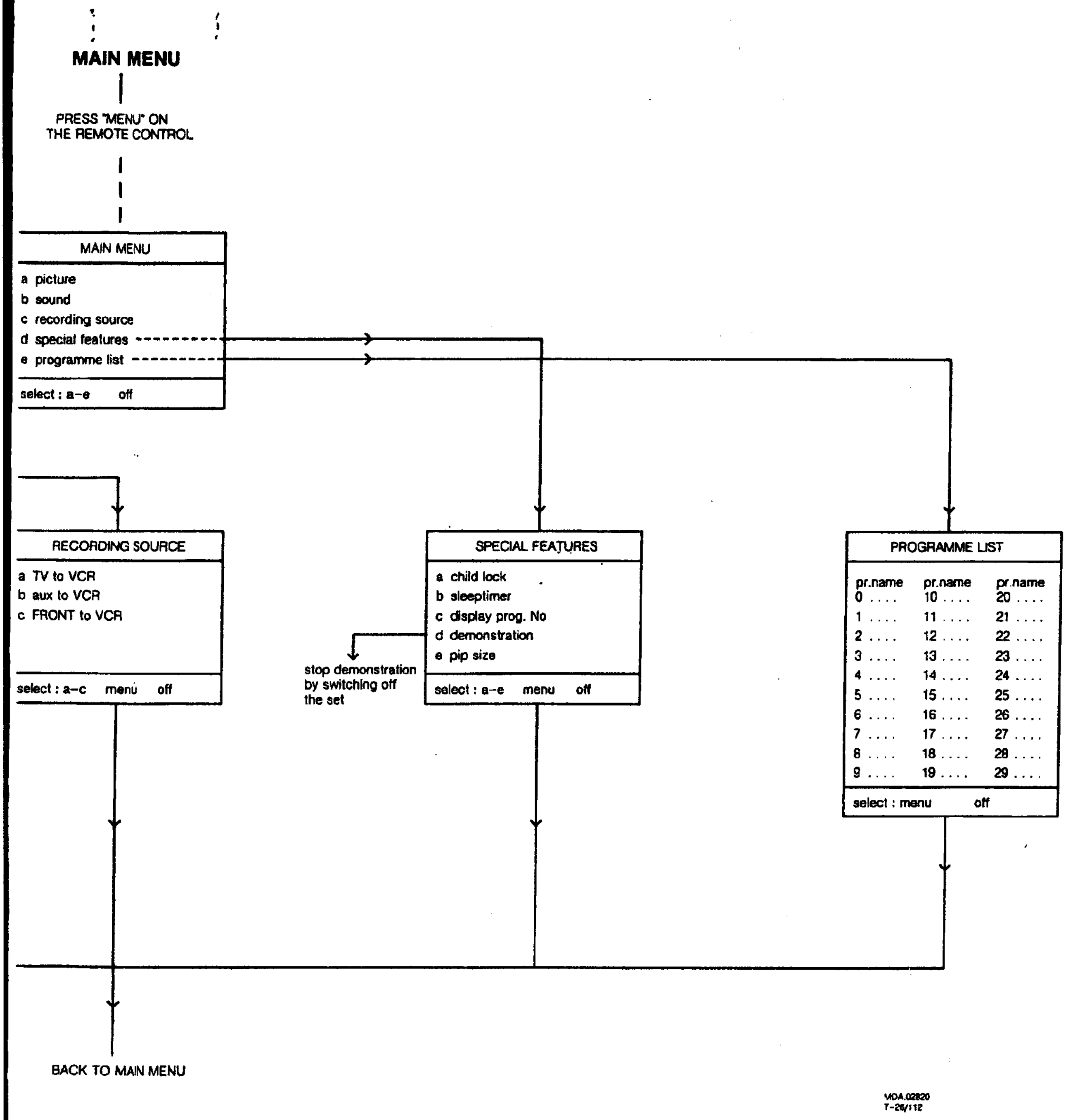

EXAMPLES
RIGHT
SOLDERING IRON
NO!
43 769 A11

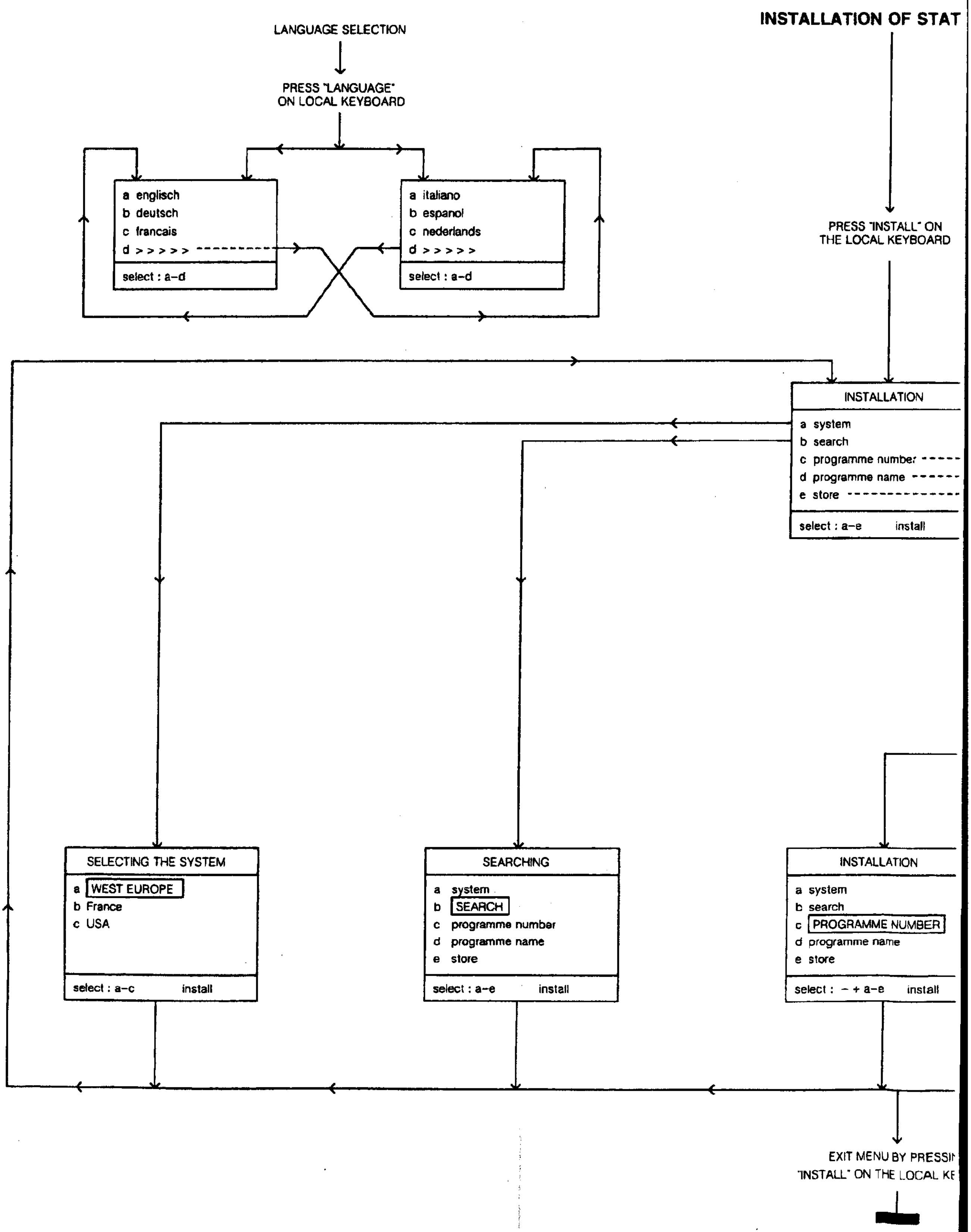
Fig. 8.3

Survey of menus FL1.1

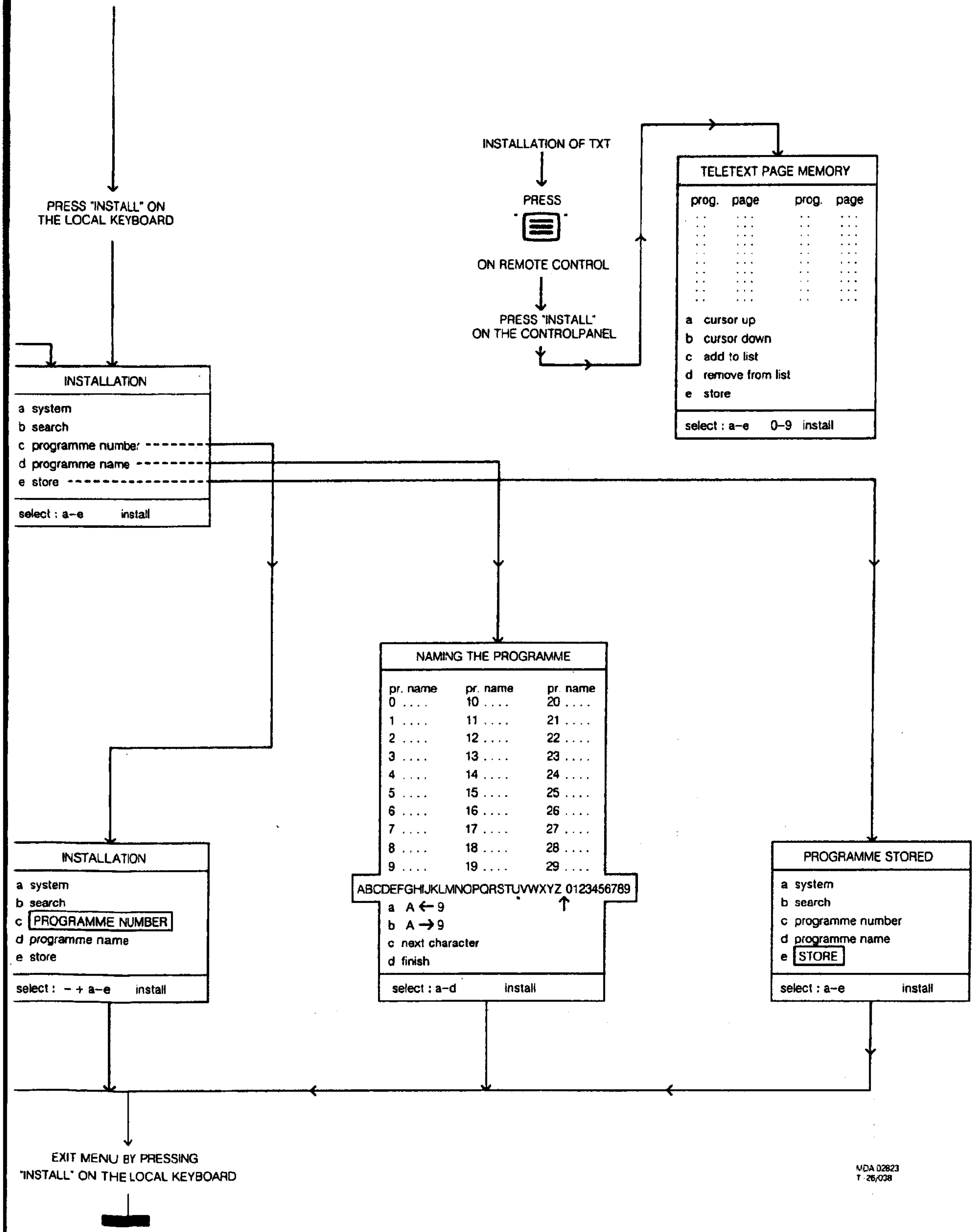

MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
a picture
b sound
c recording source
d special features
e programme list
select : a–e off
PICTURE
a brightness
b colour
c contrast
d sharpness
select : a–d menu off
SOUND
a balance
b treble
c bass
d speech on/off
e sound mode stereo
select : a–e menu off
RECORDING SOURCE
a TV to VCR
b aux to VCR
c FRONT to VCR
select : a–c menu off
BACK TO MAIN MENU


MAIN MENU
PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
a picture
b sound
c recording source
d special features
e programme list
select : a–e off
RECORDING SOURCE
a TV to VCR
b aux to VCR
c FRONT to VCR
select : a–c menu off
SPECIAL FEATURES
a child lock
b sleeptimer
c display prog. No
d demonstration
e pip size
select : a–e menu off
stop demonstration by switching off the set
PROGRAMME LIST
pr.name pr.name pr.name
0 .... 10 .... 20 ....
1 .... 11 .... 21 ....
2 .... 12 .... 22 ....
3 .... 13 .... 23 ....
4 .... 14 .... 24 ....
5 .... 15 .... 25 ....
6 .... 16 .... 26 ....
7 .... 17 .... 27 ....
8 .... 18 .... 28 ....
9 .... 19 .... 29 ....
select : menu off
BACK TO MAIN MENU
MOA.02820
T-26/112

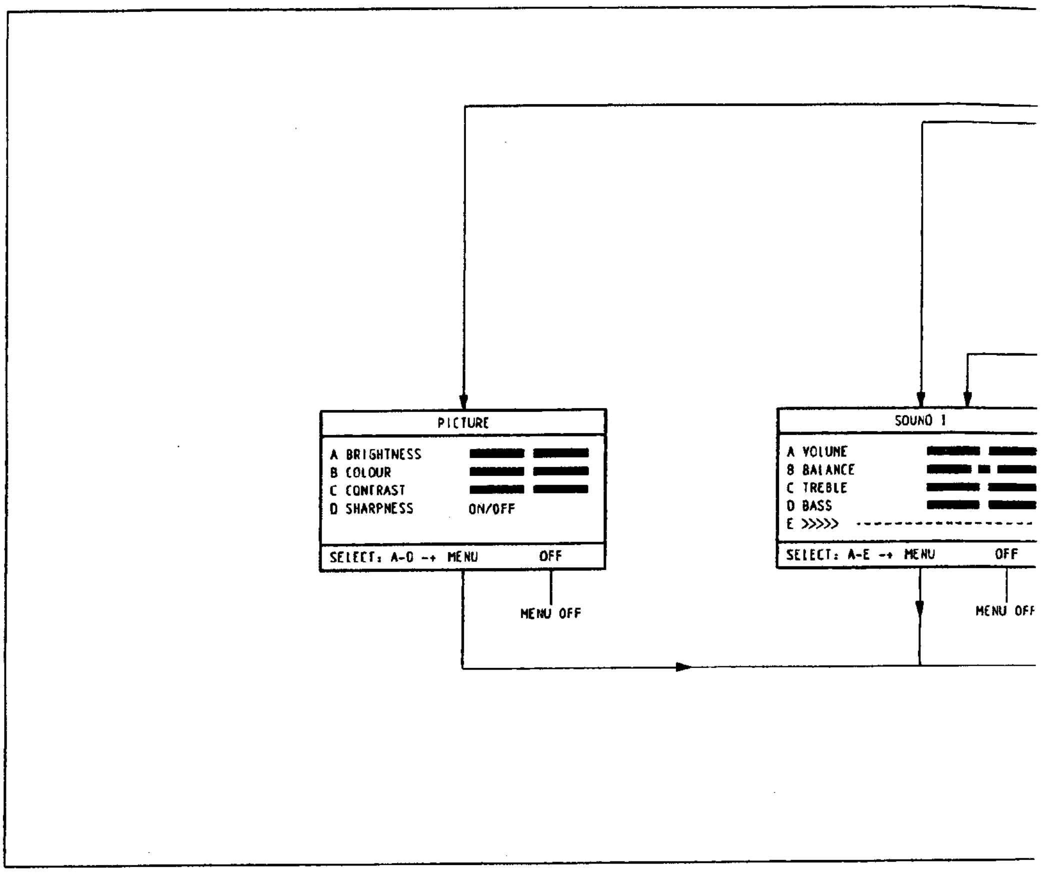
Survey of menus FL1.1

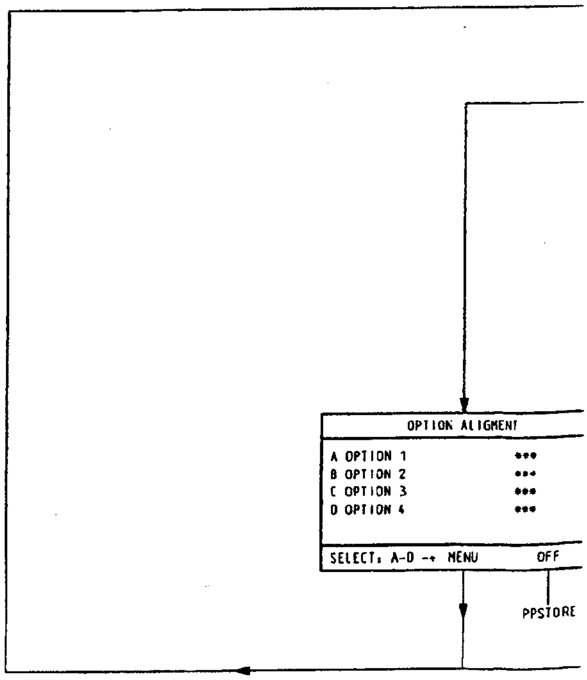

LANGUAGE SELECTION
PRESS "LANGUAGE" ON LOCAL KEYBOARD
a englisch
b deutsch
c francais
d > > > > >
select : a–d
a italiano
b espanol
c nederlands
d > > > > >
select : a–d
INSTALLATION OF STAT
PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALLATION
a system
b search
c programme number
d programme name
e store
select : a–e install
SELECTING THE SYSTEM
a WEST EUROPE
b France
c USA
select : a–c install
SEARCHING
a system
b SEARCH
c programme number
d programme name
e store
select : a–e install
INSTALLATION
a system
b search
c PROGRAMME NUMBER
d programme name
e store
select : – + a–e install
EXIT MENU BY PRESSI
"INSTALL" ON THE LOCAL KE

ALLATION OF STATIONS


PRESS "INSTALL" ON
THE LOCAL KEYBOARD
INSTALLATION
a system
b search
c programme number
d programme name
e store
select : a–e install
INSTALLATION OF TXT
PRESS
ON REMOTE CONTROL
PRESS "INSTALL"
ON THE CONTROLPANEL
TELETEXT PAGE MEMORY
prog. page prog. page
a cursor up
b cursor down
c add to list
d remove from list
e store
select : a–e 0–9 install
NAMING THE PROGRAMME
pr. name pr. name pr. name
0 .... 10 .... 20 ....
1 .... 11 .... 21 ....
2 .... 12 .... 22 ....
3 .... 13 .... 23 ....
4 .... 14 .... 24 ....
5 .... 15 .... 25 ....
6 .... 16 .... 26 ....
7 .... 17 .... 27 ....
8 .... 18 .... 28 ....
9 .... 19 .... 29 ....
ABCDEFGHIJKLMNOPQRSTUVWXYZ 0123456789
a A←9
b A→9
c next character
d finish
select : a–d install
INSTALLATION
a system
b search
c PROGRAMME NUMBER
d programme name
e store
select : – + a–e install
PROGRAMME STORED
a system
b search
c programme number
d programme name
e STORE
select : a–e install
EXIT MENU BY PRESSING
"INSTALL" ON THE LOCAL KEYBOARD
MDA 02823
T 26/038

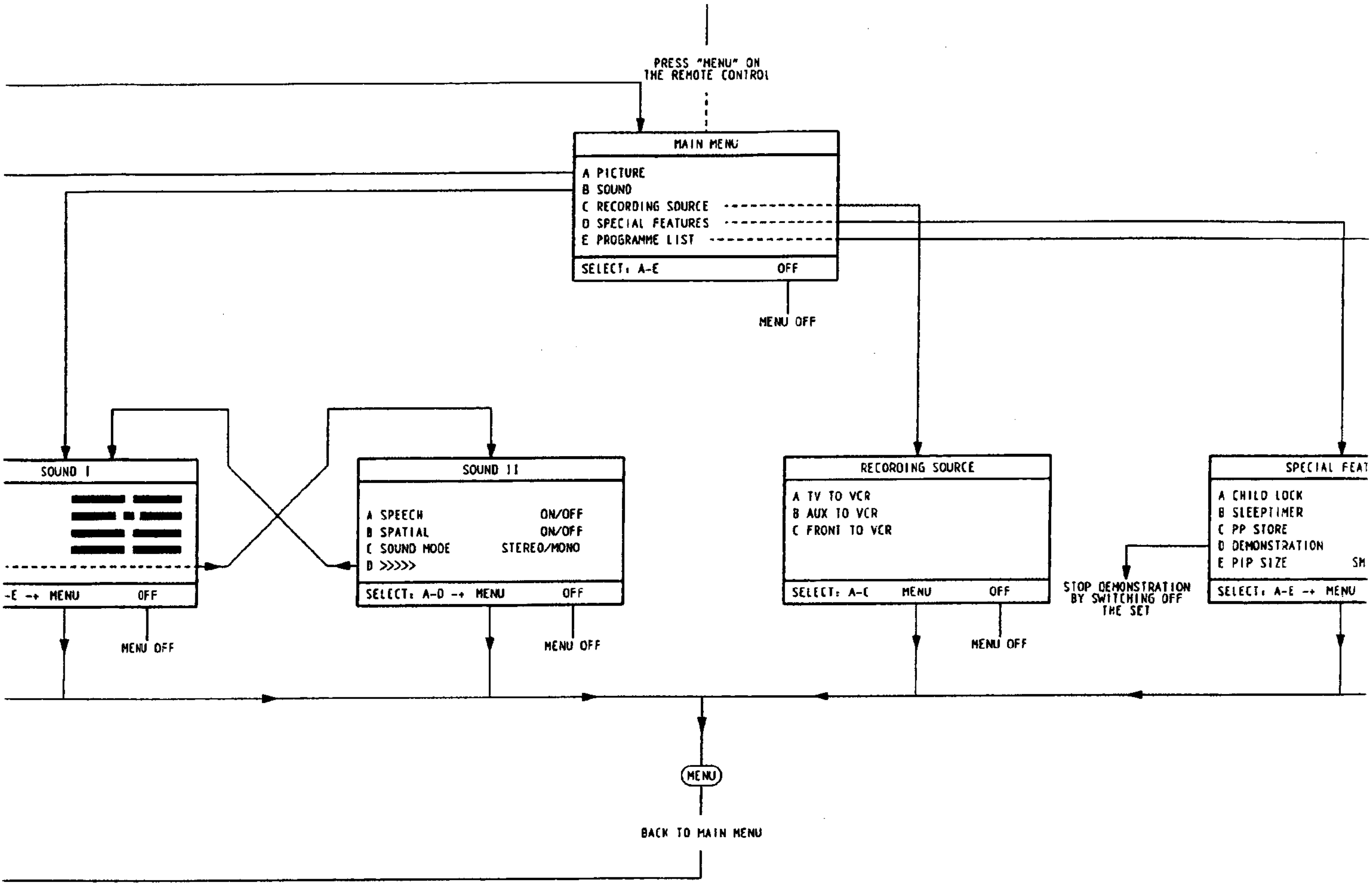
Survey of menus FL1.7


PICTURE
A BRIGHTNESS
B COLOUR
C CONTRAST
D SHARPNESS ON/OFF
SELECT: A-D → MENU OFF
MENU OFF
SOUND 1
A VOLUME
B BALANCE
C TREBLE
D BASS
E >>>>>
SELECT: A-E → MENU OFF
MENU OFF

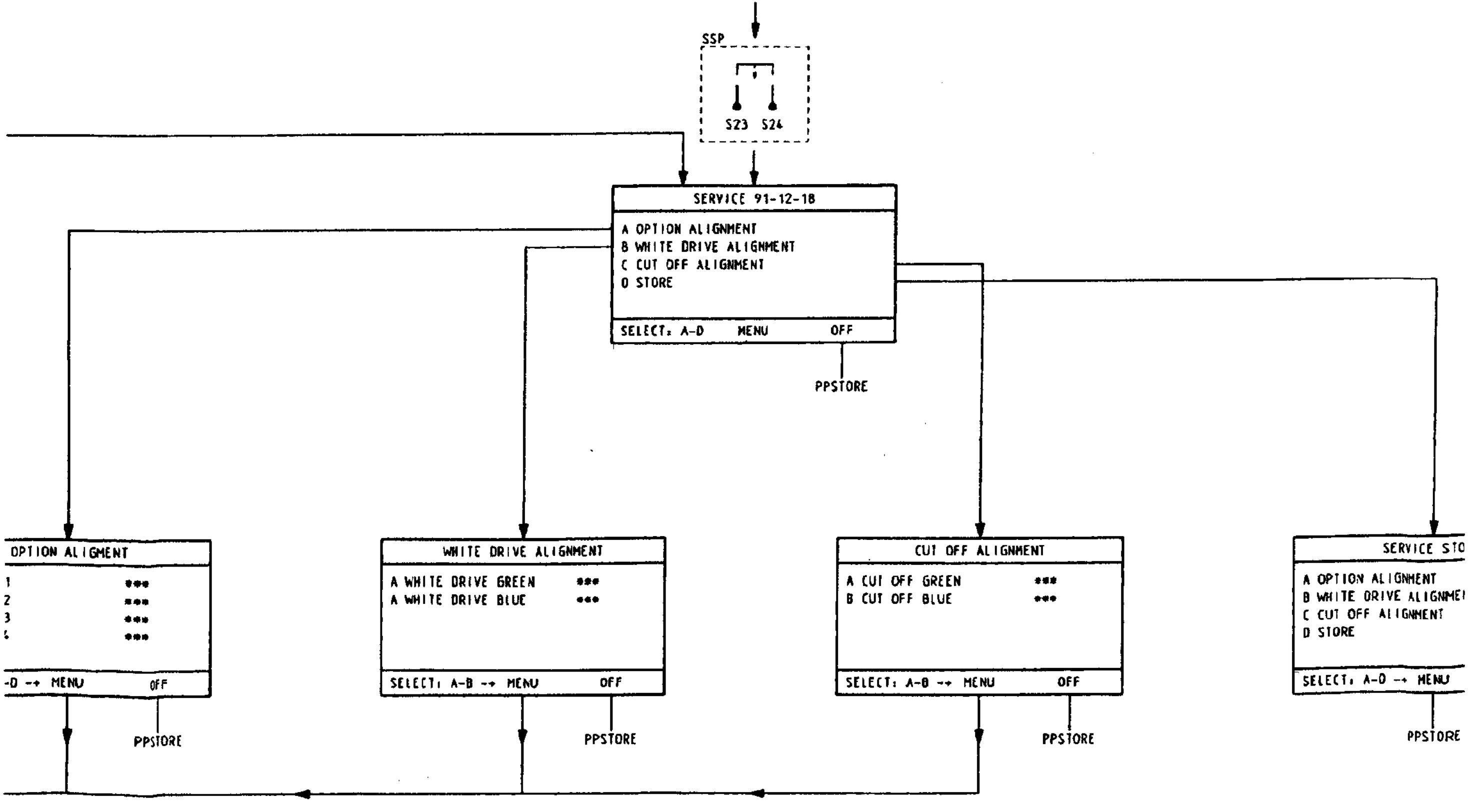

OPTION ALIGMENT
A OPTION 1 ***
B OPTION 2 ***
C OPTION 3 ***
D OPTION 4 ***
SELECT: A-D → MENU OFF
PPSTORE

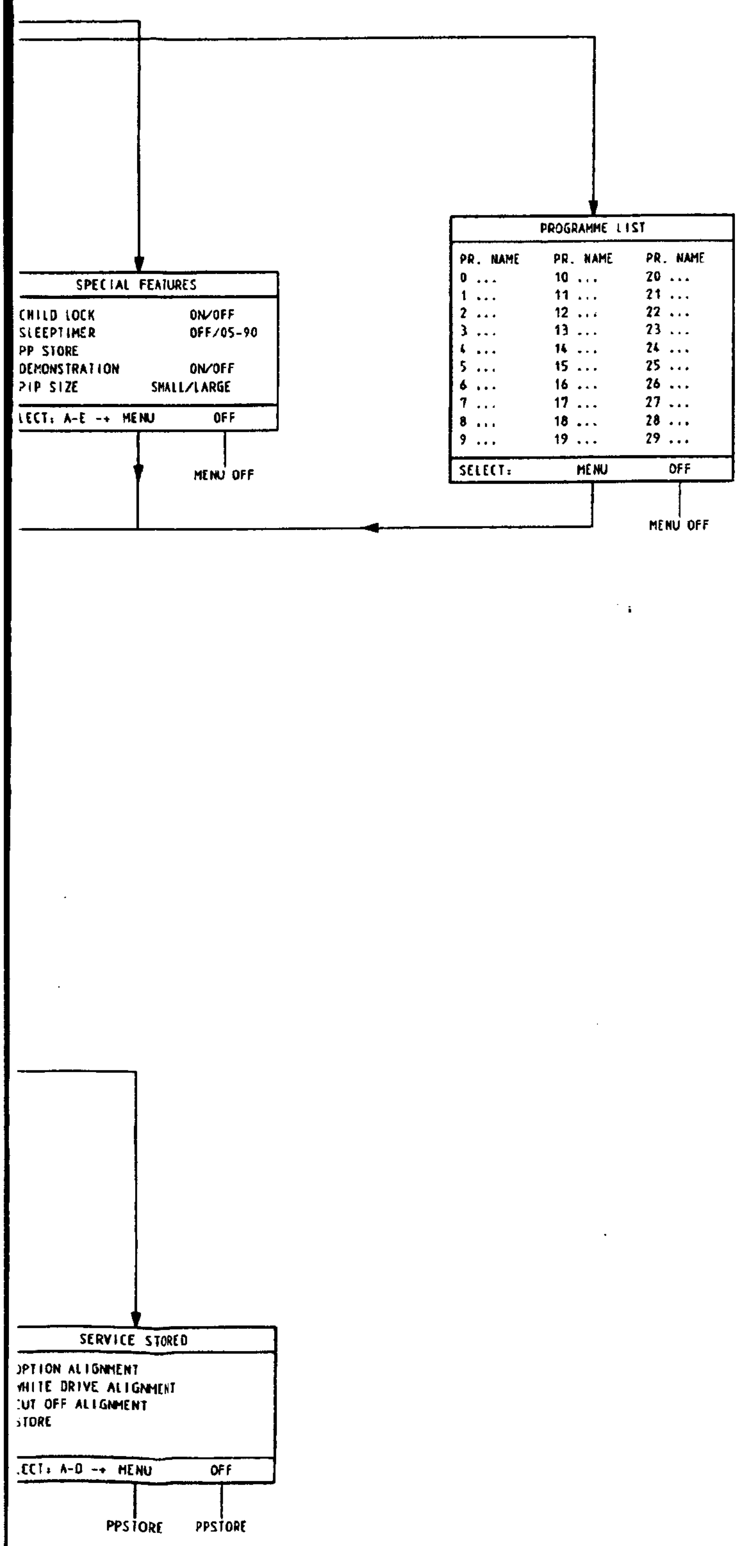
9.5 **9.6** **CHASSIS FL1.1**

MAIN MENU

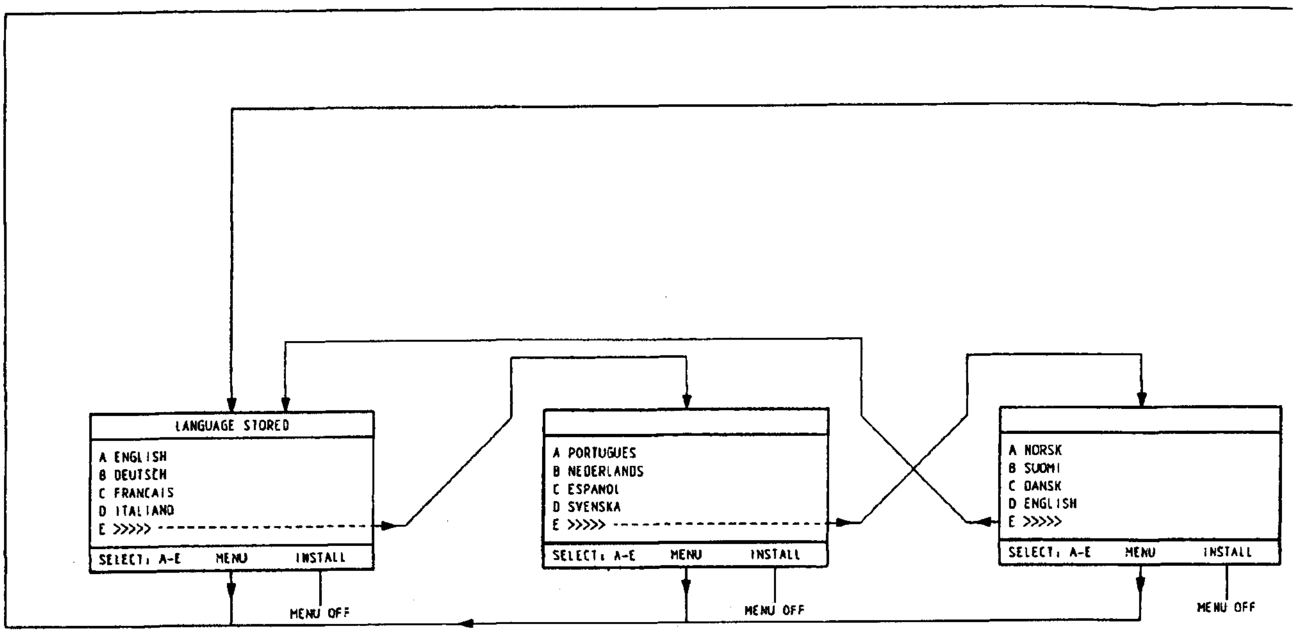

PRESS "MENU" ON THE REMOTE CONTROL
MAIN MENU
A PICTURE
B SOUND
C RECORDING SOURCE
D SPECIAL FEATURES
E PROGRAMME LIST
SELECT: A-E
OFF
MENU OFF
SOUND I
-E → MENU
OFF
MENU OFF
SOUND II
A SPEECH ON/OFF
B SPATIAL ON/OFF
C SOUND MODE STEREO/MONO
D >>>>>
SELECT: A-D → MENU
OFF
MENU OFF
RECORDING SOURCE
A TV TO VCR
B AUX TO VCR
C FRONT TO VCR
SELECT: A-C
MENU
OFF
MENU OFF
SPECIAL FEAT
A CHILD LOCK
B SLEEPTIMER
C PP STORE
D DEMONSTRATION
E PIP SIZE
SM
SELECT: A-E → MENU
STOP DEMONSTRATION BY SWITCHING OFF THE SET
MENU
BACK TO MAIN MENU

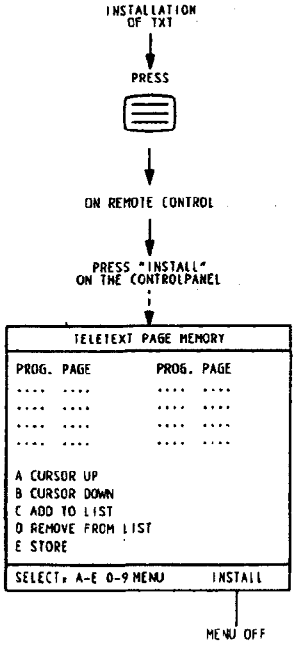
SERVICE MENU


SSP
S23
S24
SERVICE 91-12-18
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNMENT
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D
MENU
OFF
PPSTORE
OPTION ALIGMENT
1 ***
2 ***
3 ***
4 ***
-D → MENU
OFF
PPSTORE
WHITE DRIVE ALIGNMENT
A WHITE DRIVE GREEN ***
A WHITE DRIVE BLUE ***
SELECT: A-B → MENU
OFF
PPSTORE
CUT OFF ALIGNMENT
A CUT OFF GREEN ***
B CUT OFF BLUE ***
SELECT: A-B → MENU
OFF
PPSTORE
SERVICE STO
A OPTION ALIGNMENT
B WHITE DRIVE ALIGNME
C CUT OFF ALIGNMENT
D STORE
SELECT: A-D → MENU
PPSTORE

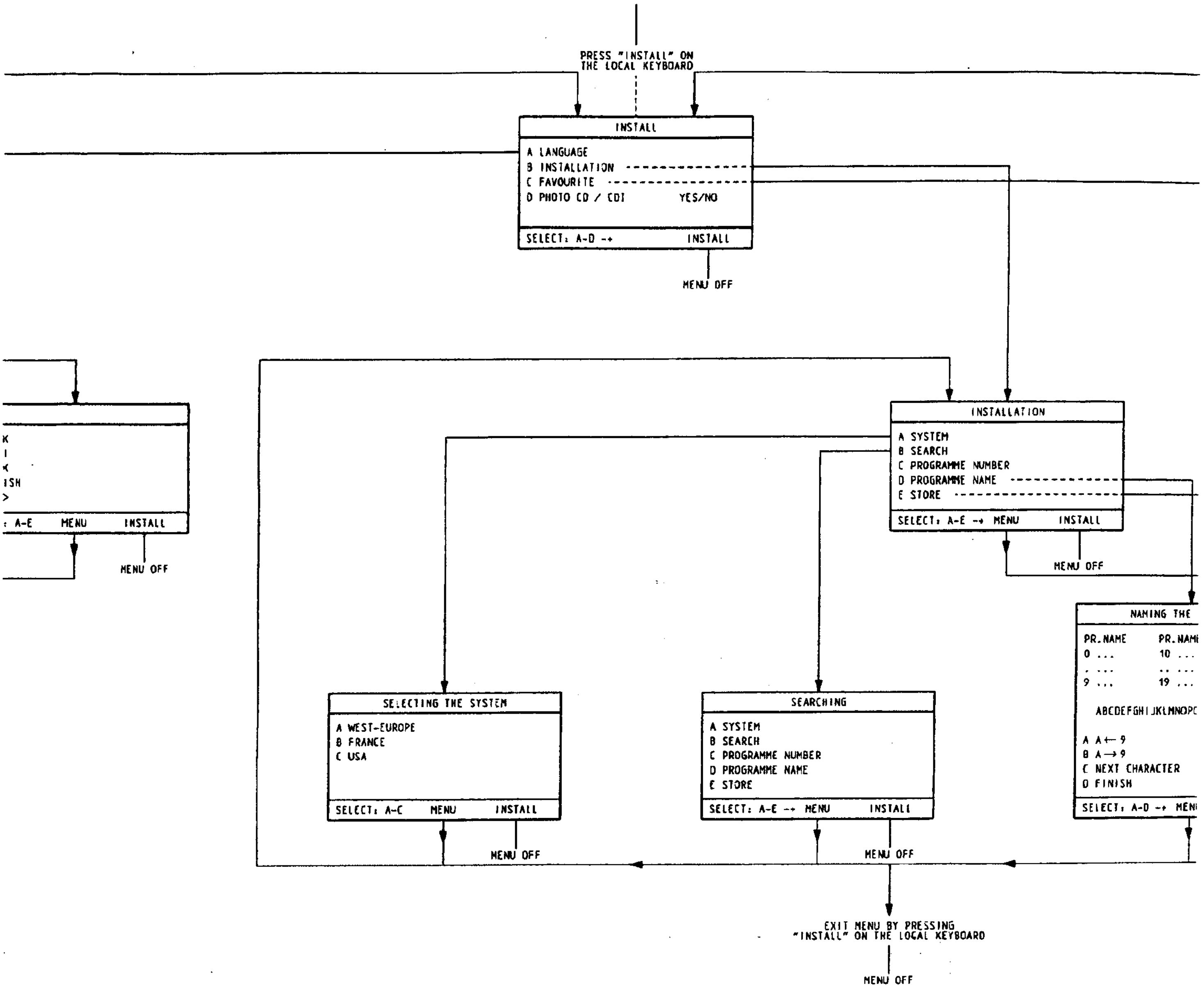

SPECIAL FEATURES
CHILD LOCK ON/OFF
SLEEPTIMER OFF/05-90
PP STORE
DEMONSTRATION ON/OFF
PIP SIZE SMALL/LARGE
LECT: A-E → MENU OFF
MENU OFF
PROGRAMME LIST
PR. NAME PR. NAME PR. NAME
0 ... 10 ... 20 ...
1 ... 11 ... 21 ...
2 ... 12 ... 22 ...
3 ... 13 ... 23 ...
4 ... 14 ... 24 ...
5 ... 15 ... 25 ...
6 ... 16 ... 26 ...
7 ... 17 ... 27 ...
8 ... 18 ... 28 ...
9 ... 19 ... 29 ...
SELECT: MENU OFF
MENU OFF
SERVICE STORED
OPTION ALIGNMENT
WHITE DRIVE ALIGNMENT
CUT OFF ALIGNMENT
STORE
LECT: A-D → MENU OFF
PPSTORE
PPSTORE

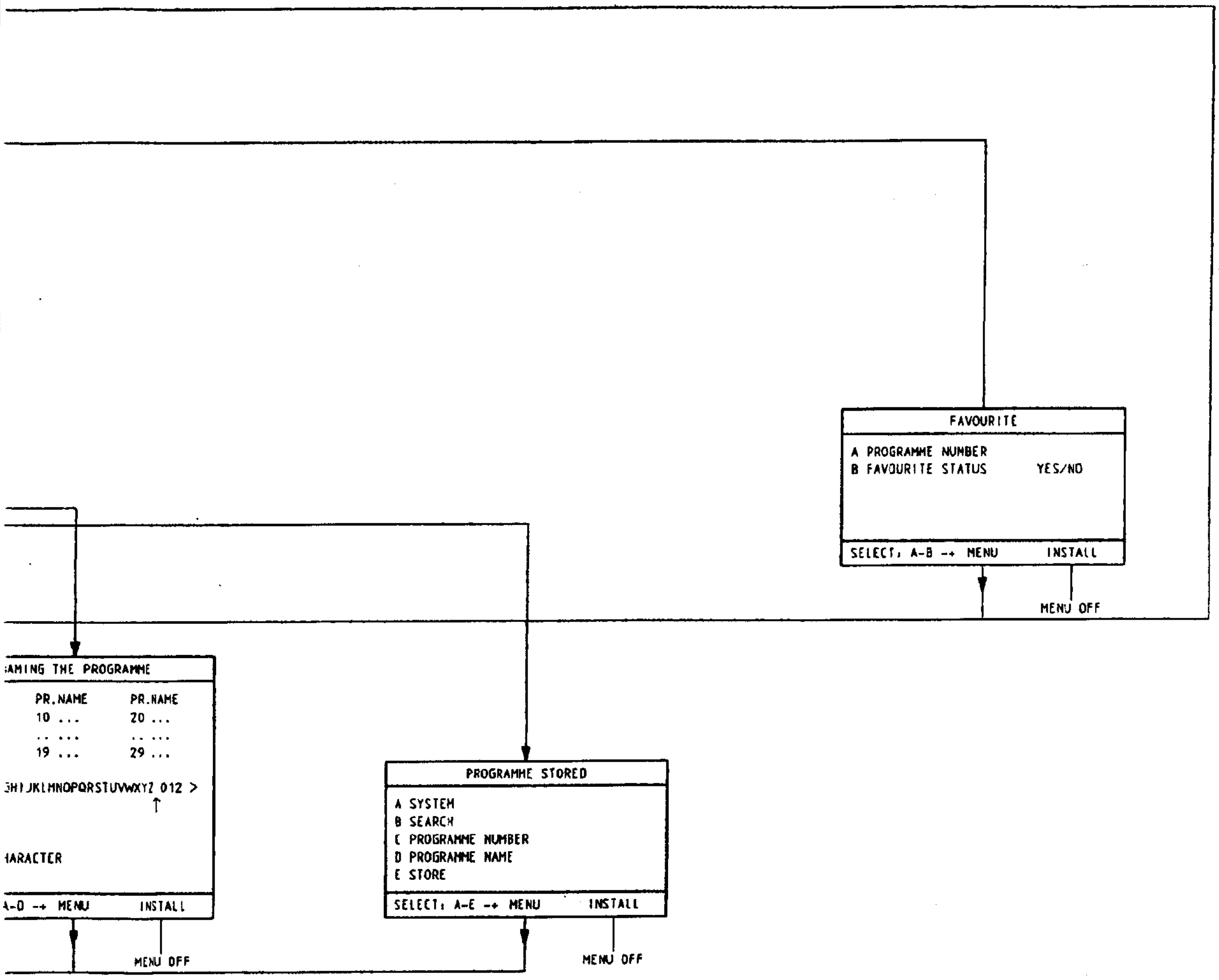
9.8 CHASSIS FL1.1 Survey of menus FL1.7


LANGUAGE STORED
A ENGLISH
B DEUTSCH
C FRANCAIS
D ITALIANO
E >>>>>
SELECT: A-E MENU INSTALL
MENU OFF
A PORTUGUES
B NEDERLANDS
C ESPANOL
D SVENSKA
E >>>>>
SELECT: A-E MENU INSTALL
MENU OFF
A NORSK
B SUOMI
C DANSK
D ENGLISH
E >>>>>
SELECT: A-E MENU INSTALL
MENU OFF


INSTALLATION OF TXT
PRESS
ON REMOTE CONTROL
PRESS "INSTALL" ON THE CONTROLPANEL
TELETEXT PAGE MEMORY
PROG. PAGE
....
....
....
....
PROG. PAGE
....
....
....
....
A CURSOR UP
B CURSOR DOWN
C ADD TO LIST
D REMOVE FROM LIST
E STORE
SELECT: A-E 0-9 MENU INSTALL
MENU OFF

INSTALLATION OF STATIONS


PRESS "INSTALL" ON THE LOCAL KEYBOARD
INSTALL
A LANGUAGE
B INSTALLATION
C FAVOURITE
D PHOTO CD / CDI YES/NO
SELECT: A-D → INSTALL
MENU OFF
K
I
K
ISH
>
: A-E MENU INSTALL
MENU OFF
INSTALLATION
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU INSTALL
MENU OFF
NAMING THE
PR.NAME PR.NAME
0 ... 10 ...
. ...
9 ... 19 ...
ABCDEFGHIJKLMNOPC
A A← 9
B A→9
C NEXT CHARACTER
D FINISH
SELECT: A-D → MEN
SELECTING THE SYSTEM
A WEST-EUROPE
B FRANCE
C USA
SELECT: A-C MENU INSTALL
MENU OFF
SEARCHING
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU INSTALL
MENU OFF
EXIT MENU BY PRESSING "INSTALL" ON THE LOCAL KEYBOARD
MENU OFF


FAVOURITE
A PROGRAMME NUMBER
B FAVOURITE STATUS
YES/NO
SELECT: A-B → MENU
INSTALL
MENU OFF
AMING THE PROGRAMME
PR.NAME
10 ...
.. ...
19 ...
PR.NAME
20 ...
.. ...
29 ...
GHIJKLMNOPQRSTUVWXYZ 012 >
↑
HARACTER
A-D → MENU
INSTALL
MENU OFF
PROGRAMME STORED
A SYSTEM
B SEARCH
C PROGRAMME NUMBER
D PROGRAMME NAME
E STORE
SELECT: A-E → MENU
INSTALL
MENU OFF

Spare parts list / Stückliste / Liste

Large signal panel A B G

Connectors

	4822 265 30525	2P male grey
	4822 265 20541	2P male black
	4822 265 40469	6P female gold
	4822 265 40472	10P female gold
	4822 290 40295	7P male
	4822 265 40818	8P male
	4822 267 40985	6P male
	4822 264 40207	3P male
	4822 265 30389	2P male
	4822 265 40596	2P male
	4822 265 20512	2P male green
	4822 267 50591	6P male gold
	4822 264 50149	10P male gold

Various parts

	4822 255 40527	insulating plate
	4822 492 70143	spring 10 X 33MM
	4822 492 62076	spring fix transistor
	4822 492 70788	spring fix IC
	4822 492 70789	spring fix transistor
	4822 276 12998	mains switch
	4822 256 30274	fuse holder
	4822 290 60812	socket for ext. loudspeakers
	4822 267 20417	socket for squeeters
	4822 276 13094	switch loudsp. ON/OFF
	4822 320 11086	focus cable
	4822 320 20162	EHT cable
	4822 212 23749	SOPS CONTROL
	4822 310 61919	SOPS repair kit
1010	4822 212 23892	NTSC ASSY
1200	4822 070 33152	fuse T3,15A
1250	4822 071 52501	fuse T0,25A

⊣⊢

2000	4822 122 31773	560pF 5% 50V
2001	4822 122 31784	4,7nF 10% 50V
2002	4822 122 31784	4,7nF 10% 50V
2003	4822 126 11175	22pF 5% 50V
2004	4822 122 32142	270pF 5% 63V
2005	4822 122 32142	270pF 5% 63V
2007	4822 122 31797	22nF 10% 63V
2008	4822 122 31797	22nF 10% 63V
2009	4822 126 11175	22pF 5% 50V
2011	4822 122 31775	680pF 5% 50V
2012	4822 122 32927	220nF
2013	4822 122 32927	220nF
2015	4822 124 42109	22µF 10% 50V
2016	4822 124 42109	22µF 10% 50V
2018	4822 122 31797	22nF 10% 63V
2019	4822 122 31414	10nF 100V
2020	4822 122 31414	10nF 100V
2021	4822 122 31414	10nF 100V
2022	4822 122 31414	10nF 100V
2023	5322 122 33446	3,3nF 10% 63V
2024	5322 122 33446	3,3nF 10% 63V
2025	4822 122 10166	22nF 30% 16V
2026	4822 122 32927	220nF
2027	4822 122 32927	220nF
2028	4822 122 32927	220nF
2029	4822 122 32927	220nF
2030	4822 126 11175	22pF 5% 50V
2031	4822 126 11175	22pF 5% 50V

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2032	4822 122 31797	22nF 10% 63V
2033	4822 122 10166	22nF 30% 16V
2035	4822 122 31775	680pF 5% 50V
2038	4822 122 31644	2,2nF 10% 63V
2040	4822 122 32927	220nF
2041	4822 122 32927	220nF
2043	4822 122 32927	220nF
2045	4822 122 32927	220nF
2046	4822 122 32927	220nF
2047	4822 122 32927	220nF
2050	4822 124 42362	33µF 20% 16V
2051	4822 124 42362	33µF 20% 16V
2052	4822 124 42362	33µF 20% 16V
2053	4822 124 42362	33µF 20% 16V
2056	4822 122 31773	560pF 5% 50V
2057	4822 122 31773	560pF 5% 50V
2058	4822 122 31773	560pF 5% 50V
2059	4822 122 31773	560pF 5% 50V
2060	4822 122 31773	560pF 5% 50V
2061	4822 122 31773	560pF 5% 50V
2065	4822 126 11156	684nF 20%
2066	4822 126 11156	684nF 20%
2070	4822 124 40272	33µF 20% 16V
2071	4822 124 42184	33µF 20% 25V
2072	4822 124 41584	100µF 20% 10V
2073	4822 124 21212	15µF 20% 40V
2074	5322 122 31647	1nF 10% 63V
2200	4822 121 43819	680nF 10% 250V
2203	4822 121 40487	100nF 10% 400V
2210	4822 126 11141	2,2nF 10% 1kV
2211	4822 126 11141	2,2nF 10% 1kV
2214	4822 124 23492	220µF 50% 385V
2215	4822 122 33665	3,3nF 20% 125V
2216	4822 126 10202	1,5nF 10% 2kV
2230	4822 122 31784	4,7nF 10% 50V
2231	4822 126 11157	470pF 10% 500V
2232	4822 124 40738	330µF 20% 25V
2233	4822 126 11157	470pF 10% 500V
2234	4822 124 40738	330µF 20% 25V
2235	4822 126 11157	470pF 10% 500V
2237	4822 122 33708	2,2nF 10% 1kV
2238	4822 124 22583	47µF 160V
2239	4822 124 40193	68µF 20% 16V
2240	4822 124 42183	1000µF 20% 63V
2254	4822 126 11496	120pF 5% 2kV
2255	4822 122 32142	270pF 5% 63V
2258	5322 121 42502	390nF 5% 63V
2260	4822 122 31727	470pF 5% 63V
2261	5322 124 21189	100µF 20% 40V
2262	4822 122 31727	470pF 5% 63V
2263	4822 124 40849	330µF 20% 16V
2270	4822 124 41584	100µF 20% 10V
2272	4822 122 33496	100nF 10% 63V
2302	4822 122 31765	100pF 5% 50V
2303	4822 122 31808	150pF 10% 50V
2308	4822 122 32891	68nF 10% 63V
2321	4822 121 51319	1µF 10% 63V
2331	4822 122 32891	68nF 10% 63V
2351	4822 121 41854	150nF 5% 63V
2360	4822 122 31981	33nF ±0,5pF 50V
2361	4822 121 42589	82nF 5% 63V
2365	5322 122 32838	82nF 10% 63V
2372	5322 121 42502	390nF 5% 63V
2376	4822 124 40272	33µF 20% 16V
2380	4822 122 33496	100nF 10% 63V
2381	4822 122 33496	100nF 10% 63V
2382	4822 122 33496	100nF 10% 63V
2386	5322 122 31647	1nF 10% 63V

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2401	4822 122 32542	47nF 10% 63V
2402	4822 124 41576	2,2µF 20% 50V
2403	5322 124 41431	22µF 20% 35V
2404	4822 124 41577	4,7µF 20% 50V
2405	4822 122 32542	47nF 10% 63V
2406	4822 121 51091	1,2nF 2% 250V
2407	4822 122 32153	1,8nF 10% 63V
2408	4822 122 31168	270pF 10% 500V
2409	4822 122 31797	22nF 10% 63V
2410	4822 121 41854	150nF 5% 63V
2411	4822 121 41854	150nF 5% 63V
2412	4822 122 31211	100pF 10% 500V
2415	4822 122 32542	47nF 10% 63V
2416	4822 122 33496	100nF 10% 63V
2417	4822 122 32808	1,2nF 10% 63V
2418	4822 122 31797	22nF 10% 63V
2419	4822 124 40849	330µF 20% 16V
2450	4822 122 32442	10nF 50V
2451	4822 122 31746	1000pF 5% 50V
2452	4822 124 41716	220µF 20% 35V
2455	4822 122 31771	390pF 5% 50V
2456	4822 124 41334	470µF 20% 35V
2456	4822 124 41747	680µF 20%
2457	4822 124 42251	1,5µF 10% 50V
2458	4822 122 31797	22nF 10% 63V
2459	4822 122 32891	68nF 10% 63V
2460	4822 122 33496	100nF 10% 63V
2480	4822 124 23495	10µF 20% 25V
2501	4822 122 31961	68pF 5% 63V
2502	4822 121 41689	100nF 10% 250V
2503	4822 126 11157	470pF 10% 500V
2504	4822 126 11495	1nF 10% 2kV
2504	4822 126 11539	1,2nF 10% 2kV
2504	4822 126 11495	1nF 10% 2kV
2509	4822 122 31171	1,2nF 10% 500V
2511	4822 124 41739	47µF 20% 160V
2512	4822 124 40435	10µF 20% 50V
2513	4822 124 40435	10µF 20% 50V
2517	4822 122 31177	470pF 10% 500V
2518	4822 124 22449	4,7µF 30% 350V
2519	4822 124 41831	1µF 20% 160V
2520	4822 121 51528	470nF 5% 250V
2521	4822 121 51563	560nF 5% 250V
2523	5322 121 42523	8,2nF 5% 2kV
2524	4822 121 43915	27nF 5% 630V
2529	4822 124 23491	0,47µF 20% 50V
2530	4822 122 31797	22nF 10% 63V
2531	4822 121 40516	22nF 10% 250V
2533	5322 122 32818	2,2nF 10% 100V
2534	4822 126 11502	470pF 10% 500V
2535	4822 124 23488	1000µF 20% 35V
2536	4822 122 31177	470pF 10% 500V
2537	4822 124 40184	1000µF 20% 10V
2541	4822 124 42184	33µF 20% 25V
2542	4822 124 22466	1µF 20% 50V
2543	4822 124 23495	10µF 20% 25V
2546	4822 122 33496	100nF 10% 63V
2547	4822 122 33498	2,7nF 10% 63V
2551	4822 124 40195	150µF 20% 16V
2600	4822 124 41577	4,7µF 20% 50V
2601	4822 122 31797	22nF 10% 63V
2603	4822 122 32891	68nF 10% 63V
2603	4822 122 32542	47nF 10% 63V
2603	4822 122 33496	100nF 10% 63V
2605	4822 122 31781	1500pF 10% 50V
2605	4822 122 33498	2,7nF 10% 63V
2606	4822 122 33496	100nF 10% 63V
2609	4822 121 43396	120nF 5% 63V

Spare parts list / Stückliste / Liste

6 63V
% 50V
6 35V
% 50V
6 63V
, 250V
% 63V
% 500V
6 63V
6 63V
6 63V
% 500V
6 63V
% 63V
% 63V
6 63V
% 16V
% 50V
% 35V
5 50V
% 35V
%
% 50V
5 63V
5 63V
% 63V
5 25V
63V
% 250V
% 500V
2kV
% 2kV
2kV
% 500V
5 160V
5 50V
5 50V
% 500V
6 350V
160V
5 250V
5 250V
2kV
630V
% 50V
5 63V
5 250V
% 100V
% 500V
0% 35V
% 500V
0% 10V
, 25V
50V
, 25V
% 63V
6 63V
% 16V
6 50V
, 63V
, 63V
, 63V
% 63V
0% 50V
6 63V
% 63V
, 63V

Large signal panel A B G

2610	4822 124 41576	2,2μF 20% 50V
2611	4822 124 41576	2,2μF 20% 50V
2613	4822 122 31784	4,7nF 10% 50V
2613	4822 122 31773	560pF 5% 50V

3000	4822 051 10912	9k1 2% 0,25W
3001	4822 051 10912	9k1 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10104	100k 2% 0,25W
3006	4822 051 10224	220k 2% 0,25W
3009	4822 051 10224	220k 2% 0,25W
3011	4822 051 10203	20k 2% 0,25W
3012	4822 051 10203	20k 2% 0,25W
3013	4822 116 52268	300k 5% 0,5W
3014	4822 116 52268	300k 5% 0,5W
3016	4822 052 10828	8Ω2 5% 0,33W
3021	4822 052 10828	8Ω2 5% 0,33W
3022	4822 052 10828	8Ω2 5% 0,33W
3025	4822 051 10333	33k 2% 0,25W
3027	4822 051 10103	10k 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 051 10123	12k 2% 0,25W
3030	4822 051 10123	12k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10102	1k 2% 0,25W
3033	4822 116 52244	15k 5% 0,5W
3034	4822 051 10472	4k7 2% 0,25W
3035	4822 051 10153	15k 2% 0,25W
3036	4822 051 10152	1k5 2% 0,25W
3037	4822 051 10152	1k5 2% 0,25W
3040	4822 051 10273	27k 2% 0,25W
3041	4822 051 10152	1k5 2% 0,25W
3043	4822 051 10203	20k 2% 0,25W
3044	4822 051 10221	220Ω 2% 0,25W
3049	4822 051 10102	1k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3051	4822 051 10203	20k 2% 0,25W
3052	4822 051 10472	4k7 2% 0,25W
3053	4822 051 10472	4k7 2% 0,25W
3054	4822 053 21475	4M7 5% 0,5W
3060	4822 051 10203	20k 2% 0,25W
3065	4822 051 10183	18k 2% 0,25W
3066	4822 051 10183	18k 2% 0,25W
3067	4822 116 52296	6k8 5% 0,5W
3068	4822 116 52207	1k2 5% 0,5W
3069	4822 051 10752	7k5 2% 0,25W
3072	4822 051 10479	47Ω 2% 0,25W
3073	4822 116 52257	22k 5% 0,5W
3074	4822 051 10103	10k 2% 0,25W
3201	4822 053 21475	4M7 5% 0,5W
3202	4822 053 21475	4M7 5% 0,5W
3204	4822 116 40033	NTC/PTC
3204	4822 116 40215	PTC
3209	4822 113 80384	1Ω5 10% 7W
3210	4822 116 52239	120k 5% 0,5W
3211	4822 116 52239	120k 5% 0,5W
3212	4822 116 52234	100k 5% 0,5W
3213	4822 051 10823	82k 2% 0,25W
3215	4822 051 10472	4k7 2% 0,25W
3216	4822 115 90309	56Ω 10% 5W
3239	4822 116 52297	68k 5% 0,5W
3240	4822 116 52234	100k 5% 0,5W
3240	4822 116 52297	68k 5% 0,5W
3241	4822 113 80572	2Ω2 10% 5W
3241	4822 113 80584	2Ω7 10% 5W
3242	4822 051 10122	1k2 2% 0,25W

3243	4822 116 52229	750Ω 5% 0,5W
3244	4822 116 52211	150Ω 5% 0,5W
3245	4822 116 52229	750Ω 5% 0,5W
3247	4822 051 20222	2k2 5% 0,1W
3248	4822 051 20222	2k2 5% 0,1W
3249	4822 116 52258	220k 5% 0,5W
3250	4822 116 52198	62Ω 5% 0,5W
3251	4822 051 10102	1k 2% 0,25W
3252	4822 116 52258	220k 5% 0,5W
3253	4822 116 82738	10k 10%
3255	4822 116 52243	1k5 5% 0,5W
3266	4822 051 10151	150Ω 2% 0,25W
3267	4822 051 10101	100Ω 2% 0,25W
3268	4822 053 11689	68Ω 5% 2W
3270	4822 051 10118	1Ω1 5% 0,25W
3271	4822 053 10399	39Ω 5% 1W
3272	4822 051 51201	120Ω 1% 0,125W
3273	4822 051 10472	4k7 2% 0,25W
3274	4822 051 10102	1k 2% 0,25W
3275	4822 116 52206	120Ω 5% 0,5W
3298	4822 051 10479	47Ω 2% 0,25W
3298	4822 051 10569	56Ω 2% 0,25W
3298	4822 051 10689	68Ω 2% 0,25W
3298	4822 051 10821	820Ω 2% 0,25W
3298	4822 051 10122	1k2 2% 0,25W
3298	4822 051 10182	1k8 2% 0,25W
3300	4822 053 10753	75k 5% 1W
3304	4822 051 10473	47k 2% 0,25W
3305	4822 051 10472	4k7 2% 0,25W
3305	4822 051 10332	3k3 2% 0,25W
3306	4822 051 10823	82k 2% 0,25W
3308	4822 053 12151	150Ω 5% 3W
3309	4822 051 10103	10k 2% 0,25W
3310	4822 050 11109	11Ω 1% 0,4W
3310	4822 116 52184	18Ω 5% 0,5W
3311	4822 051 10471	470Ω 2% 0,25W
3312	4822 051 10101	100Ω 2% 0,25W
3313	4822 050 11109	11Ω 1% 0,4W
3313	4822 116 52184	18Ω 5% 0,5W
3314	4822 116 52223	430Ω 5% 0,5W
3315	4822 116 52223	430Ω 5% 0,5W
3317	4822 051 10682	6k8 2% 0,25W
3320	4822 051 10471	470Ω 2% 0,25W
3321	4822 051 10471	470Ω 2% 0,25W
3322	4822 051 10471	470Ω 2% 0,25W
3331	4822 116 52267	30k 5% 0,5W
3332	4822 116 52233	10k 5% 0,5W
3351	4822 052 11279	27Ω 5% 0,5W
3356	4822 051 10132	1k3 2% 0,25W
3356	4822 051 10751	750Ω 2% 0,25W
3357	4822 050 13302	3k3 1% 0,4W
3357	4822 050 27871	787Ω 1% 0,6W
3358	4822 116 52183	16Ω 5% 0,5W
3360	4822 051 10122	1k2 2% 0,25W
3362	4822 051 10151	150Ω 2% 0,25W
3364	4822 051 10471	470Ω 2% 0,25W
3365	4822 051 10221	220Ω 2% 0,25W
3366	4822 051 10221	220Ω 2% 0,25W
3368	4822 116 52226	560Ω 5% 0,5W
3369	4822 116 52226	560Ω 5% 0,5W
3370	4822 051 10332	3k3 2% 0,25W
3371	4822 100 11348	1k 30% LIN
3372	4822 051 10561	560Ω 2% 0,25W
3374	4822 116 52301	75k 5% 0,5W
3375	5322 111 90282	2k4 2% 0,25W
3376	4822 116 52175	100Ω 5% 0,5W
3378	4822 051 10101	100Ω 2% 0,25W

3380	4822 051 10152	1k5 2% 0,25W
3381	4822 051 10152	1k5 2% 0,25W
3382	4822 051 10103	10k 2% 0,25W
3383	4822 051 10103	10k 2% 0,25W
3387	4822 051 10223	22k 2% 0,25W
3402	4822 051 10562	5k6 2% 0,25W
3403	4822 051 10229	22Ω 2% 0,25W
3404	4822 051 10182	1k8 2% 0,25W
3405	4822 051 10333	33k 2% 0,25W
3406	4822 100 11483	10k 30% LIN
3407	4822 051 10561	560Ω 2% 0,25W
3408	4822 051 10563	56k 2% 0,25W
3409	4822 116 52272	330k 5% 0,5W
3410	5322 101 11013	330k 30% LIN
3411	4822 051 10104	100k 2% 0,25W
3411	4822 051 10913	91k 2% 0,25W
3413	4822 051 10101	100Ω 2% 0,25W
3414	4822 051 10154	150k 2% 0,25W
3415	4822 100 11392	47k 30% LIN
3417	4822 116 52256	2k2 5% 0,5W
3418	4822 051 10201	200Ω 2% 0,25W
3419	4822 052 10279	27Ω 5% 0,33W
3420	4822 050 23905	3M9 1% 0,6W
3421	4822 116 52243	1k5 5% 0,5W
3422	4822 116 81223	1M2 5% 0,5W
3422	4822 116 81783	1M5 5% 0,5W
3424	4822 051 10221	220Ω 2% 0,25W
3426	4822 051 10331	330Ω 2% 0,25W
3428	4822 116 52271	33k 5% 0,5W
3429	4822 116 52269	3k3 5% 0,5W
3430	4822 051 10471	470Ω 2% 0,25W
3437	4822 116 52224	470Ω 5% 0,5W
3438	4822 116 52205	1k1 5% 0,5W
3439	4822 116 52247	16k 5% 0,5W
3441	4822 051 10622	6k2 2% 0,25W
3442	4822 051 10332	3k3 2% 0,25W
3444	4822 051 10103	10k 2% 0,25W
3446	4822 116 52264	27k 5% 0,5W
3450	4822 051 10432	4k3 2% 0,25W
3451	4822 051 10432	4k3 2% 0,25W
3455	4822 051 10471	470Ω 2% 0,25W
3456	4822 051 10124	120k 2% 0,25W
3456	4822 051 10134	130k 2% 0,25W
3457	4822 051 10822	8k2 2% 0,25W
3457	4822 051 10912	9k1 2% 0,25W
3458	4822 116 80676	1Ω5 5% 0,2W
3459	4822 116 80676	1Ω5 5% 0,2W
3460	4822 053 10271	270Ω 5% 1W
3461	4822 116 80176	1Ω 5% 0,5W
3462	4822 116 80176	1Ω 5% 0,5W
3463	4822 116 80176	1Ω 5% 0,5W
3465	4822 051 10681	680Ω 2% 0,25W
3466	4822 116 52243	1k5 5% 0,5W
3466	4822 116 52263	2k7 5% 0,5W
3466	4822 116 52279	4k3 5% 0,5W
3467	4822 100 20166	10k 30% LIN
3468	4822 053 12221	220Ω 5% 3W
3469	4822 050 11002	1k 1% 0,4W
3469	4822 116 52263	2k7 5% 0,5W
3469	4822 116 52279	4k3 5% 0,5W
3473	4822 116 52253	2k 5% 0,5W
3479	4822 051 10683	68k 2% 0,25W
3480	4822 116 52234	100k 5% 0,5W
3481	4822 051 10102	1k 2% 0,25W
3482	4822 051 10229	22Ω 2% 0,25W
3483	4822 051 10563	56k 2% 0,25W
3484	4822 051 10223	22k 2% 0,25W
3485	4822 051 10102	1k 2% 0,25W

Spare parts list / Stückliste / Liste

Large signal panel A B G

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3500	4822 116 80176	1Ω 5% 0,5W
3501	4822 116 52271	33k 5% 0,5W
3502	4822 116 52299	7k5 5% 0,5W
3503	4822 116 52299	7k5 5% 0,5W
3504	4822 053 11108	1Ω 5% 2W
3505	4822 116 52191	33Ω 5% 0,5W
3506	4822 053 11108	1Ω 5% 2W
3507	4822 116 52191	33Ω 5% 0,5W
3508	4822 116 82773	1k8 10% 5W
3509	4822 053 21154	150k 5% 0,5W
3510	4822 053 12331	330Ω 5% 3W
3511	4822 116 52176	10Ω 5% 0,5W
3512	4822 051 10331	330Ω 2% 0,25W
3513	4822 100 20166	10k 30% LIN
3514	4822 116 52186	22Ω 5% 0,5W
3515	4822 116 81191	6Ω8 5% 0,3W
3516	4822 116 81191	6Ω8 5% 0,3W
3517	4822 052 11108	1Ω 5% 0,5W
3518	4822 116 52267	30k 5% 0,5W
3519	4822 116 52267	30k 5% 0,5W
3520	4822 052 10338	3Ω3 5% 0,33W
3521	4822 052 10338	3Ω3 5% 0,33W
3524	4822 116 81753	4Ω7 5% 0,5W
3527	4822 051 10102	1k 2% 0,25W
3528	4822 116 52229	750Ω 5% 0,5W
3529	4822 051 10104	100k 2% 0,25W
3530	4822 051 10474	470k 2% 0,25W
3531	4822 116 52274	36k 5% 0,5W
3532	4822 116 52211	150Ω 5% 0,5W
3533	4822 116 52211	150Ω 5% 0,5W
3534	4822 052 11278	2Ω7 5% 0,5W
3535	4822 052 11278	2Ω7 5% 0,5W
3536	4822 116 52221	360Ω 5% 0,5W
3537	4822 116 52186	22Ω 5% 0,5W
3538	4822 116 52241	13k 5% 0,5W
3538	4822 116 52238	12k 5% 0,5W
3540	4822 116 52267	30k 5% 0,5W
3541	4822 116 52285	470k 5% 0,5W
3542	4822 051 10104	100k 2% 0,25W
3543	4822 051 10152	1k5 2% 0,25W
3544	4822 051 10393	39k 2% 0,25W
3545	4822 116 52208	130Ω 5% 0,5W
3547	4822 051 10518	5Ω1 5% 0,25W
3548	4822 051 10392	3k9 2% 0,25W
3549	4822 051 10124	120k 2% 0,25W
3550	4822 116 52209	1k3 5% 0,5W
3551	4822 051 10569	56Ω 2% 0,25W
3601	4822 051 10104	100k 2% 0,25W
3601	4822 051 10154	150k 2% 0,25W
3602	4822 100 20166	10k 30% LIN
3603	4822 051 10153	15k 2% 0,25W
3603	4822 051 20183	18k 5% 0,1W
3603	4822 051 10103	10k 2% 0,25W
3603	4822 051 10912	9k1 2% 0,25W
3604	4822 051 10124	120k 2% 0,25W
3604	4822 051 10154	150k 2% 0,25W
3604	4822 051 10134	130k 2% 0,25W
3605	4822 051 10133	13k 2% 0,25W
3605	4822 051 10243	24k 2% 0,25W
3606	4822 051 10333	33k 2% 0,25W
3607	4822 100 11213	22k 30% LIN
3608	4822 051 10102	1k 2% 0,25W
3609	4822 051 10473	47k 2% 0,25W
3610	4822 051 10472	4k7 2% 0,25W
3611	4822 051 20222	2k2 5% 0,1W
3614	4822 051 10152	1k5 2% 0,25W
3615	4822 116 52224	470Ω 5% 0,5W
3616	4822 051 10332	3k3 2% 0,25W

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3617	4822 051 20222	2k2 5% 0,1W
3618	4822 051 10104	100k 2% 0,25W
3619	4822 051 20222	2k2 5% 0,1W
3620	4822 051 10622	6k2 2% 0,25W
3621	4822 051 10164	160k 2% 0,25W
3622	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 80176	1Ω 5% 0,5W
3623	4822 116 52242	130k 5% 0,5W
3626	4822 116 52265	270k 5% 0,5W
3626	4822 116 52242	130k 5% 0,5W
3626	4822 116 52258	220k 5% 0,5W
3627	4822 051 10103	10k 2% 0,25W
3628	4822 116 52234	100k 5% 0,5W
3629	4822 051 10224	220k 2% 0,25W
3630	4822 051 10104	100k 2% 0,25W
3631	4822 051 10182	1k8 2% 0,25W
3632	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10153	15k 2% 0,25W

Jumpers

9039	4822 051 10333	33K 2% 0,25W
4000	4822 051 10008	0Ω 5% 0,25W
4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4004	4822 051 10008	0Ω 5% 0,25W
4006	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4400	4822 051 10008	0Ω 5% 0,25W
4402	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4412	4822 051 10008	0Ω 5% 0,25W
4413	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4416	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10008	0Ω 5% 0,25W
4508	4822 051 10272	2k7 2% 0,25W
4508	4822 051 10102	1k 2% 0,25W
4530	4822 051 10008	0Ω 5% 0,25W
4531	4822 051 10008	0Ω 5% 0,25W
4533	4822 051 10008	0Ω 5% 0,25W
4534	4822 051 10008	0Ω 5% 0,25W
4541	4822 051 10008	0Ω 5% 0,25W
4552	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W

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5202	4822 212 23611	transf. assy CU20D3
5205	4822 212 23611	transf. assy CU20D3
5230	4822 148 81167	SOPS transf.
5230	4822 148 81192	SOPS transf. 33"
5231	4822 526 10494	ferrite bead
5233	4822 526 10494	ferrite bead
5235	4822 526 10494	ferrite bead
5237	4822 526 10494	ferrite bead
5241	4822 157 63249	33μH 10%
5255	4822 148 81225	μSOPS transf.
5260	4822 526 10494	ferrite bead
5262	4822 526 10494	ferrite bead

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5308	4822 157 62826	270μH 10%
5308	4822 157 63302	150μH 10% 33"
5310	4822 157 63251	3,9μH 10%
5310	4822 157 63301	1μH 15% 33"
5381	4822 157 52265	100μH 10%
5503	4822 157 63252	line driver
5511	4822 157 52407	39μH 7,5%
5514	4822 157 63256	DC-SHIFT
5520	4822 157 63254	LINEARITY
5521	4822 157 63255	COIL
5524	4822 526 10494	ferrite bead
5526	4822 157 63253	EAST-WEST
5534	5322 157 52539	15μH 7,5%
5543	4822 158 10549	12μH 7,5%
5555	4822 140 10424	L.O.T.

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6000	4822 130 80446	LL4148
6001	4822 130 80446	BAS32L
6008	4822 209 73095	P4KE30C-7000
6010	4822 130 80446	LL4148
6011	4822 130 80446	LL4148
6012	4822 130 80446	LL4148
6016	4822 130 80446	LL4148
6021	4822 130 80446	LL4148
6201	4822 130 80446	LL4148
6210	4822 130 33887	GP15J-16
6211	4822 130 33887	GP15J-16
6212	4822 130 33887	GP15J-16
6213	4822 130 33887	GP15J-16
6216	4822 130 42606	BYD33J
6220	4822 130 33887	GP15J
6221	4822 130 33887	GP15J
6230	4822 130 33529	BY229F-200
6232	4822 130 33529	BY229F-200
6235	4822 130 81104	MA689
6237	4822 130 80572	RGP30J-L7004
6238	4822 130 80572	RGP30J-L7004
6246	4822 130 82347	LLZ-F6V8
6251	4822 130 80954	LLZ-C5V6
6260	4822 130 80446	LL4148
6262	4822 130 42488	BYD33D
6266	4822 130 34278	BZX79-F6V8
6272	4822 130 34173	BZX55-B5V6
6280	4822 130 30621	1N4148
6302	4822 130 80446	LL4148
6303	4822 130 80446	LL4148
6304	4822 130 80446	LL4148
6306	5322 130 31504	BZX79-C20
6308	4822 130 42488	BYD33D
6312	4822 130 42488	BYD33D
6315	4822 130 80446	LL4148
6318	4822 130 80446	LL4148
6319	4822 130 34173	BZX79-C5V6
6321	4822 130 80954	BZV55-C5V6
6331	4822 130 30621	1N4148
6349	4822 130 80446	LL4148
6350	4822 130 80446	LL4148
6351	4822 130 30621	1N4148
6352	4822 130 80446	LL4148
6353	4822 130 80446	LL4148
6355	4822 130 80446	LL4148
6356	4822 130 80886	LLZ-F22
6357	4822 130 80446	LL4148
6370	4822 130 81512	LLZ-C6V2
6371	4822 130 80446	LL4148
6372	4822 130 80446	LL4148

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Large signal panel A B G

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6373	4822 130 82583	LLZ-C9V1
6375	4822 130 80446	LL4148
6376	4822 130 80922	LLZ-C18
6376	4822 130 81143	BZV55-C20
6403	4822 130 80446	LL4148
6404	4822 130 80446	LL4148
6417	4822 130 81223	LLZ-C2V4
6440	4822 130 80446	LL4148
6441	4822 130 80446	LL4148
6451	5322 130 34834	BZX79-C3V6
6452	4822 130 42488	BYD33D
6465	4822 130 80446	LL4148
6466	4822 130 80446	LL4148
6480	4822 130 31554	BZX79-C4V3
6504	4822 130 42488	BYD33D
6506	4822 130 42488	BYD33D
6515	4822 130 80877	BAV103
6516	4822 130 80877	BAV103
6517	4822 130 42488	BYD33D
6519	4822 130 32896	BYD33M
6520	4822 130 32896	BYD33M
6526	4822 130 33531	BY229F-600
6527	4822 130 82966	MURF10150E
6529	4822 130 34329	BZX79-C43
6535	4822 130 82512	BYV29F-400
6536	4822 130 82758	BYV29F-300
6542	4822 130 30842	BAV21
6546	4822 130 80446	LL4148
6547	4822 130 80446	LL4148
6551	4822 130 34278	BZX79-B6V8
6553	4822 130 82334	BAS85
6601	4822 130 42488	BYD33D
6629	4822 130 80446	LL4148

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7000	4822 209 73311	TDA1521Q/N4
7001	4822 209 73311	TDA1521Q/N4
7002	4822 209 83163	LM833N
7003	4822 130 61207	BC848
7005	5322 130 42136	BC848C
7006	5322 130 42136	BC848C
7007	4822 130 61207	BC848
7008	4822 130 61207	BC848
7009	4822 209 83163	LM833N
7010	5322 130 42012	BC858
7011	4822 209 63913	TDA1521AQ/N4
7012	4822 130 61207	BC848
7013	4822 130 61207	BC848
7201	5322 130 42756	BC857C
7216	4822 130 60851	2SC3973B
7216	4822 130 62735	BUT12AF
7241	4822 130 61003	BD944F
7242	5322 130 41981	BC848A
7243	5322 130 41981	BC848A
7250	4822 130 62509	BUX85F
7251	4822 130 61207	BC848
7268	4822 130 44121	BC338
7270	4822 130 40823	BD135
7272	4822 130 61207	BC848
7273	4822 130 42513	BC858C
7305	5322 130 42136	BC848C
7311	4822 130 42513	BC858C
7312	5322 130 44647	BC368
7312	4822 130 62955	ON4703-BD437
7318	4822 130 42615	BC817-40
7320	4822 130 82034	CNX83A
7321	4822 130 62742	BD943F
7360	5322 130 42756	BC857C
7369	5322 130 42755	BC847C
7370	5322 130 42755	BC847C
7371	4822 130 42513	BC858C
7380	4822 130 42513	BC858C
7381	5322 130 42136	BC848C
7384	5322 130 42755	BC847C
7385	5322 130 42136	BC848C
7400	4822 209 72363	TDA2579A/N8
7402	5322 130 42136	BC848C
7403	4822 130 42513	BC858C
7407	4822 130 61207	BC848
7417	4822 130 42513	BC858C
7444	5322 130 42136	BC848C
7445	5322 130 42136	BC848C
7450	4822 209 73308	TDA3654Q/N3
7451	5322 130 42012	BC858
7469	4822 130 44104	BC328
7480	4822 130 42513	BC858C
7481	5322 130 42136	BC848C
7504	4822 130 62934	2 x ON4673
7506	4822 130 62934	2 x ON4673
7512	4822 130 44196	BC548C
7513	5322 130 60068	BC558C
7530	4822 130 61233	BC857
7540	5322 130 42755	BC847C
7541	5322 130 42755	BC847C
7542	5322 130 42756	BC857C
7543	4822 130 60136	BC856
7550	4822 130 80669	BD643F
7601	4822 130 61207	BC848
7602	5322 130 42012	BC858
7603	5322 130 42012	BC858
7608	4822 130 44503	BC547C
7610	4822 130 60111	2SA1359
7616	4822 130 61207	BC848
7618	4822 130 61207	BC848

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Small signal panel C D F H

Connectors

4822 265 40252	7P male
4822 265 40253	8P
4822 265 41113	7P
4822 265 41114	9P
4822 265 41086	9P male
4822 265 41082	10P
4822 290 40295	7P male
4822 267 40648	5P male gold
4822 264 50149	10P male gold
4822 264 40207	3P male
4822 264 50149	10P male gold
4822 265 40442	10P male
4822 264 40207	3P male red
4822 265 20509	2P male
4822 265 30828	5P male brown
4822 265 30899	5P male black
4822 267 40648	5P male gold
4822 265 30437	3P male

Various parts

	4822 267 20427	socket SCART + 4xcinch
	4822 267 51058	socket SCART
	4822 267 41005	socket 2xcinch + 2xSVHS
	4822 267 41004	socket HEADPH. + cinch + SVHS
	4822 218 21075	keyboard
	4822 255 40901	socket 40 POLE
1100	4822 212 23281	IR receiver
1160	4822 210 10409	FQ816ME/IF
1160	4822 210 10416	FQ816MF/IF
1160	4822 210 10412	FQ844
1248	4822 242 80364	filter 4,43MHz
1379	4822 242 70736	crystal 7,159MHz
1380	4822 242 70304	crystal 8,867MHz
1602	4822 242 80276	crystal 10MHz

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2100	4822 124 40684	150µF 20% 6,3V
2111	4822 122 32863	22nF 80% 50V
2114	4822 124 22606	68µF 20% 16V
2118	4822 122 31797	22nF 10% 63V
2119	4822 122 31797	22nF 10% 63V
2120	4822 122 32863	22nF 80% 50V
2121	5322 122 31647	1nF 10% 63V
2122	4822 122 32442	10nF 50V
2123	4822 126 11804	330nF
2130	4822 122 31797	22nF 10% 63V
2131	4822 124 22606	68µF 20% 16V
2132	4822 122 31797	22nF 10% 63V
2137	4822 122 32442	10nF 50V
2138	4822 124 40193	68µF 20% 16V
2160	4822 124 40849	330µF 20% 16V
2161	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2166	4822 124 40684	150µF 20% 6,3V
2168	4822 122 32927	220nF
2169	4822 122 32442	10nF 50V
2170	4822 124 40195	150µF 20% 16V
2171	4822 122 32862	10nF 80% 50V
2172	4822 124 41506	47µF 20% 16V
2188	4822 122 32863	22nF 80% 50V
2189	4822 122 32863	22nF 80% 50V
2190	4822 122 32863	22nF 80% 50V

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2193	4822 122 32153	1,8nF 10% 63V
2194	4822 122 32153	1,8nF 10% 63V
2196	4822 124 22606	68µF 20% 16V
2197	4822 124 22606	68µF 20% 16V
2216	4822 122 32927	220nF
2219	4822 122 32927	220nF
2234	4822 122 32927	220nF
2240	4822 122 32927	220nF
2241	4822 121 42408	220nF 5% 63V
2242	4822 124 40196	220µF 20% 16V
2243	4822 121 42408	220nF 5% 63V
2245	4822 122 32927	220nF
2249	4822 122 32862	10nF 80% 50V
2250	4822 051 10102	1K 2% 0,25W
2252	4822 121 42408	220nF 5% 63V
2253	4822 126 11492	220nF 10% 50V
2254	4822 122 32927	220nF
2255	4822 124 41643	100µF 20% 16V
2257	4822 122 31947	100nF 20% 63V
2258	4822 122 31765	100pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2261	4822 122 31947	100nF 20% 63V
2268	4822 122 31947	100nF 20% 63V
2269	4822 122 32482	22pF 5% 63V
2270	4822 122 32863	22nF 80% 50V
2274	4822 122 32862	10nF 80% 50V
2301	5322 122 31647	1nF 10% 63V
2305	4822 126 10324	33pF 63V
2306	4822 122 31772	47pF 5% 50V
2307	4822 122 31971	10pF 10% 50V
2310	4822 122 31774	56pF 5% 50V
2311	4822 122 31765	100pF 5% 50V
2311	4822 122 31808	150pF 10% 50V
2312	4822 122 32863	22nF 80% 50V
2318	4822 121 42408	220nF 5% 63V
2324	4822 122 32863	22nF 80% 50V
2338	4822 122 31972	39pF 5% 50V
2338	4822 122 31772	47pF 5% 50V
2339	4822 122 31772	47pF 5% 50V
2342	4822 122 31972	39pF 5% 50V
2343	4822 122 31727	470pF 5% 63V
2344	4822 122 31775	680pF 5% 50V
2345	4822 122 31807	1200pF 5% 50V
2347	5322 122 31647	1nF 10% 63V
2353	4822 122 32862	10nF 80% 50V
2360	4822 124 40272	33µF 20% 16V
2361	4822 124 40849	330µF 20% 16V
2365	4822 122 31352	180pF 2% 100V
2366	4822 122 32863	22nF 80% 50V
2367	4822 122 32862	10nF 80% 50V
2368	4822 122 32862	10nF 80% 50V
2369	4822 122 31825	27pF 10% 50V
2371	4822 122 31825	27pF 10% 50V
2372	4822 122 31965	220pF 5% 63V
2373	4822 122 31965	220pF 5% 63V
2374	4822 122 32863	22nF 80% 50V
2375	4822 122 32863	22nF 80% 50V
2376	5322 122 31641	47nF 50V
2377	5322 121 42661	330nF 5% 63V
2378	4822 122 31947	100nF 20% 63V
2379	4822 125 50207	33pF trimmer
2380	4822 125 50207	33pF trimmer
2381	5322 121 42661	330nF 5% 63V
2382	5322 122 31647	1nF 10% 63V
2383	4822 122 32442	10nF 50V
2384	5322 122 31647	1nF 10% 63V
2385	4822 122 32442	10nF 50V
2386	4822 122 32862	10nF 80% 50V

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2387	4822 124 40435	10µF 20% 50V
2388	5322 122 33446	3,3nF 10% 63V
2390	4822 122 32863	22nF 80% 50V
2391	4822 122 32863	22nF 80% 50V
2392	4822 122 32863	22nF 80% 50V
2395	4822 122 32863	22nF 80% 50V
2396	4822 122 32863	22nF 80% 50V
2397	4822 122 32863	22nF 80% 50V
2398	4822 124 40435	10µF 20% 50V
2399	4822 124 41506	47µF 20% 16V
2400	4822 122 32863	22nF 80% 50V
2433	4822 122 32863	22nF 80% 50V
2434	5322 122 33446	3,3nF 10% 63V
2435	5322 122 33446	3,3nF 10% 63V
2436	4822 122 31961	68pF 5% 63V
2438	4822 122 32863	22nF 80% 50V
2440	4822 122 32863	22nF 80% 50V
2442	4822 122 32863	22nF 80% 50V
2445	4822 126 11804	330nF
2446	4822 126 11804	330nF
2447	4822 126 11804	330nF
2451	5322 121 42661	330nF 5% 63V
2452	4822 124 40242	1µF 20% 63V
2453	4822 122 31774	56pF 5% 50V
2454	4822 126 10324	33pF 63V
2455	4822 126 10324	33pF 63V
2456	4822 126 10324	33pF 63V
2476	4822 124 41577	4,7µF 20% 50V
2478	4822 122 31784	4,7nF 10% 50V
2479	4822 122 33105	56nF 10% 63V
2480	4822 124 40272	33µF 20% 16V
2600	4822 122 31947	100nF 20% 63V
2602	4822 122 31947	100nF 20% 63V
2604	4822 122 31947	100nF 20% 63V
2606	4822 122 31947	100nF 20% 63V
2608	4822 122 32927	220nF
2620	4822 122 33496	100nF 10% 63V
2620	4822 122 32927	220nF
2621	4822 122 33496	100nF 10% 63V
2622	4822 122 33496	100nF 10% 63V
2622	4822 122 32927	220nF
2623	4822 122 33496	100nF 10% 63V
2624	5322 122 31842	330pF 5% 63V
2626	4822 121 42408	220nF 5% 63V
2627	5322 124 41431	22µF 20% 35V
2628	5322 122 31842	330pF 5% 63V
2630	4822 122 32927	220nF
2632	5322 122 31842	330pF 5% 63V
2634	4822 121 42408	220nF 5% 63V
2636	5322 122 31842	330pF 5% 63V
2638	4822 121 42408	220nF 5% 63V
2640	5322 122 31842	330pF 5% 63V
2642	4822 122 32927	220nF
2644	5322 122 31842	330pF 5% 63V
2646	4822 122 32927	220nF
2658	4822 122 31961	68pF 5% 63V
2659	4822 122 31961	68pF 5% 63V
2660	5322 122 31647	1nF 10% 63V
2662	5322 122 31647	1nF 10% 63V
2664	4822 122 32153	1,8nF 10% 63V
2666	4822 122 32153	1,8nF 10% 63V
2680	4822 122 31947	100nF 20% 63V
2681	4822 122 32542	47nF 10% 63V
2682	4822 124 40195	150µF 20% 16V
2684	4822 121 51252	470nF 5% 63V
2686	4822 121 51252	470nF 5% 63V
2688	4822 122 31782	15nF 10% 50V
2690	4822 122 31782	15nF 10% 50V

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Small signal panel C D F H

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2692	4822 122 31981	33nF ±0,5pF 50V
2694	4822 122 31916	5,6nF 10% 63V
2696	4822 122 31981	33nF ±0,5pF 50V
2697	4822 122 31965	220pF 5% 63V
2698	4822 122 31916	5,6nF 10% 63V
2699	4822 122 31965	220pF 5% 63V
2700	4822 124 40242	1μF 20% 63V
2702	4822 124 40242	1μF 20% 63V
2704	4822 122 31644	2,2nF 10% 63V
2706	5322 124 41431	22μF 20% 35V
2707	4822 122 31784	4,7nF 10% 50V
2714	4822 122 32863	22nF 80% 50V
2716	4822 122 32597	6,8nF 10% 63V
2720	5322 124 41431	22μF 20% 35V
2721	4822 122 31784	4,7nF 10% 50V
2726	4822 122 31644	2,2nF 10% 63V
2727	4822 124 42362	33μF 20% 16V
2734	4822 122 32863	22nF 80% 50V
2736	4822 122 32597	6,8nF 10% 63V

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3100	4822 051 10102	1k 2% 0,25W
3101	4822 116 52175	100Ω 5% 0,5W
3103	4822 051 10101	100Ω 2% 0,25W
3104	4822 116 52175	100Ω 5% 0,5W
3105	4822 051 10101	100Ω 2% 0,25W
3113	4822 116 52175	100Ω 5% 0,5W
3114	4822 116 52175	100Ω 5% 0,5W
3115	4822 116 52175	100Ω 5% 0,5W
3116	4822 116 52175	100Ω 5% 0,5W
3117	4822 051 20222	2k2 5% 0,1W
3119	4822 051 20222	2k2 5% 0,1W
3120	4822 051 20222	2k2 5% 0,1W
3121	4822 051 10123	12k 2% 0,25W
3122	4822 051 10822	8k2 2% 0,25W
3123	4822 051 10822	8k2 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3125	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10101	100Ω 2% 0,25W
3127	4822 051 10101	100Ω 2% 0,25W
3128	4822 051 10471	470Ω 2% 0,25W
3129	4822 116 52175	100Ω 5% 0,5W
3131	4822 116 52175	100Ω 5% 0,5W
3132	4822 116 52175	100Ω 5% 0,5W
3133	4822 051 10151	150Ω 2% 0,25W
3134	4822 116 52175	100Ω 5% 0,5W
3135	4822 051 10101	100Ω 2% 0,25W
3136	4822 051 10101	100Ω 2% 0,25W
3137	4822 116 52183	16Ω 5% 0,5W
3138	4822 116 52175	100Ω 5% 0,5W
3139	4822 116 52175	100Ω 5% 0,5W
3140	4822 050 11002	1k 1% 0,4W
3141	4822 050 11002	1k 1% 0,4W
3142	4822 050 11002	1k 1% 0,4W
3143	4822 050 11002	1k 1% 0,4W
3144	4822 050 11002	1k 1% 0,4W
3145	4822 050 11002	1k 1% 0,4W
3146	4822 050 11002	1k 1% 0,4W
3148	4822 051 10473	47k 2% 0,25W
3149	4822 051 10473	47k 2% 0,25W
3150	4822 051 10473	47k 2% 0,25W
3151	4822 051 10562	5k6 2% 0,25W
3152	4822 051 10103	10k 2% 0,25W
3153	4822 051 10103	10k 2% 0,25W
3154	4822 051 10152	1k5 2% 0,25W

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3155	4822 051 10104	100k 2% 0,25W
3156	4822 051 10562	5k6 2% 0,25W
3157	4822 050 11002	1k 1% 0,4W
3158	4822 050 11002	1k 1% 0,4W
3159	4822 051 10103	10k 2% 0,25W
3160	4822 052 10758	7Ω5 5% 0,33W
3160	4822 052 10109	10Ω 5% 0,33W
3160	4822 116 81203	10Ω 5% 0,3W
3161	4822 051 10103	10k 2% 0,25W
3162	4822 052 10758	7Ω5 5% 0,33W
3163	4822 051 10223	22k 2% 0,25W
3164	4822 051 10101	100Ω 2% 0,25W
3165	4822 051 10101	100Ω 2% 0,25W
3166	4822 052 10228	2Ω2 5% 0,33W
3167	4822 051 10122	1k2 2% 0,25W
3168	5322 111 90282	2k4 2% 0,25W
3169	4822 050 11002	1k 1% 0,4W
3170	4822 116 82772	3Ω9 5% 0.3W
3171	4822 052 11511	510Ω 5% 0,5W
3172	4822 052 10229	22Ω 5% 0,33W
3175	4822 051 10153	15k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3177	4822 051 10103	10k 2% 0,25W
3178	4822 051 10223	22k 2% 0,25W
3180	4822 116 52224	470Ω 5% 0,5W
3181	4822 051 10822	8k2 2% 0,25W
3182	4822 116 52214	200Ω 5% 0,5W
3183	4822 116 52233	10k 5% 0,5W
3184	4822 051 51201	120Ω 1% 0,125W
3185	4822 051 10471	470Ω 2% 0,25W
3186	4822 116 52256	2k2 5% 0,5W
3187	4822 051 10759	75Ω 2% 0,25W
3188	4822 051 20222	2k2 5% 0,1W
3189	4822 051 10223	22k 2% 0,25W
3190	4822 051 10823	82k 2% 0,25W
3191	4822 051 56203	62k 1% 0,125W
3192	4822 051 10153	15k 2% 0,25W
3193	4822 051 10331	330Ω 2% 0,25W
3194	4822 051 10331	330Ω 2% 0,25W
3196	4822 051 10473	47k 2% 0,25W
3197	4822 051 10473	47k 2% 0,25W
3200	4822 051 10472	4k7 2% 0,25W
3201	4822 051 10472	4k7 2% 0,25W
3205	4822 051 10759	75Ω 2% 0,25W
3206	4822 051 10759	75Ω 2% 0,25W
3207	4822 051 10759	75Ω 2% 0,25W
3208	4822 051 10101	100Ω 2% 0,25W
3209	4822 051 10101	100Ω 2% 0,25W
3210	4822 051 10101	100Ω 2% 0,25W
3211	4822 116 52217	270Ω 5% 0,5W
3215	4822 051 10689	68Ω 2% 0,25W
3216	4822 052 10159	15Ω 5% 0,33W
3217	4822 116 52224	470Ω 5% 0,5W
3218	4822 051 10471	470Ω 2% 0,25W
3219	4822 051 10471	470Ω 2% 0,25W
3220	4822 051 10471	470Ω 2% 0,25W
3222	4822 116 52217	270Ω 5% 0,5W
3224	4822 051 10759	75Ω 2% 0,25W
3225	4822 051 10471	470Ω 2% 0,25W
3232	4822 051 10102	1k 2% 0,25W
3233	4822 051 10102	1k 2% 0,25W
3234	4822 051 10759	75Ω 2% 0,25W
3235	4822 051 10759	75Ω 2% 0,25W
3237	4822 116 52217	270Ω 5% 0,5W
3238	4822 116 52222	390Ω 5% 0,5W
3239	4822 051 10271	270Ω 2% 0,25W
3240	4822 051 10759	75Ω 2% 0,25W

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3241	4822 051 10759	75Ω 2% 0,25W
3242	4822 116 52219	330Ω 5% 0,5W
3243	4822 051 10152	1k5 2% 0,25W
3244	4822 051 10102	1k 2% 0,25W
3245	4822 051 10474	470k 2% 0,25W
3246	4822 051 10331	330Ω 2% 0,25W
3247	4822 051 10102	1k 2% 0,25W
3248	4822 051 10681	680Ω 2% 0,25W
3249	4822 051 10102	1k 2% 0,25W
3251	4822 051 10759	75Ω 2% 0,25W
3252	4822 051 10759	75Ω 2% 0,25W
3253	4822 051 10561	560Ω 2% 0,25W
3253	4822 051 10331	330Ω 2% 0,25W
3254	4822 052 10159	15Ω 5% 0,33W
3255	4822 051 10821	820Ω 2% 0,25W
3259	4822 051 10103	10k 2% 0,25W
3260	4822 052 10159	15Ω 5% 0,33W
3261	4822 051 10471	470Ω 2% 0,25W
3262	4822 051 10103	10k 2% 0,25W
3263	4822 051 10689	68Ω 2% 0,25W
3264	4822 051 10471	470Ω 2% 0,25W
3265	4822 051 10103	10k 2% 0,25W
3266	4822 051 10103	10k 2% 0,25W
3267	4822 051 10103	10k 2% 0,25W
3268	4822 051 10101	100Ω 2% 0,25W
3269	4822 051 10561	560Ω 2% 0,25W
3270	4822 051 10472	4k7 2% 0,25W
3271	4822 051 10471	470Ω 2% 0,25W
3272	4822 116 52228	680Ω 5% 0,5W
3273	4822 051 10471	470Ω 2% 0,25W
3274	4822 051 10103	10k 2% 0,25W
3275	4822 051 10689	68Ω 2% 0,25W
3276	4822 051 10471	470Ω 2% 0,25W
3277	4822 051 10271	270Ω 2% 0,25W
3279	4822 051 10689	68Ω 2% 0,25W
3285	4822 051 10103	10k 2% 0,25W
3286	4822 051 10103	10k 2% 0,25W
3287	4822 051 10103	10k 2% 0,25W
3288	4822 051 10103	10k 2% 0,25W
3300	4822 051 10103	10k 2% 0,25W
3301	4822 051 10332	3k3 2% 0,25W
3303	4822 051 10361	360Ω 2% 0,25W
3304	4822 051 51201	120Ω 1% 0,125W
3304	4822 051 10101	100Ω 2% 0,25W
3305	4822 051 10104	100k 2% 0,25W
3306	4822 051 10221	220Ω 2% 0,25W
3306	4822 051 10241	240Ω 2% 0,25W
3310	4822 116 52207	1k2 5% 0,5W
3311	4822 051 10182	1k8 2% 0,25W
3312	4822 051 10511	510Ω 2% 0,25W
3313	4822 051 10362	3k6 2% 0,25W
3314	4822 051 10102	1k 2% 0,25W
3315	4822 051 10103	10k 2% 0,25W
3316	4822 051 10112	1k1 2% 0,25W
3317	4822 116 52233	10k 5% 0,5W
3324	4822 051 10223	22k 2% 0,25W
3325	4822 051 10682	6k8 2% 0,25W
3326	4822 051 10103	10k 2% 0,25W
3327	4822 051 10122	1k2 2% 0,25W
3329	4822 051 10392	3k9 2% 0,25W
3329	4822 051 10108	1Ω 5% 0,25W
3336	4822 051 10472	4k7 2% 0,25W
3338	4822 051 10391	390Ω 2% 0,25W
3339	4822 051 10153	15k 2% 0,25W
3339	4822 051 10391	390Ω 2% 0,25W
3342	4822 051 20222	2k2 5% 0,1W
3344	4822 051 10273	27k 2% 0,25W

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3345	4822 051 10102	1k 2% 0,25W
3350	4822 051 51201	120Ω 1% 0,125W
3351	4822 051 10472	4k7 2% 0,25W
3353	4822 051 10332	3k3 2% 0,25W
3360	4822 052 10278	2Ω7 5% 0,33W
3361	4822 051 10102	1k 2% 0,25W
3369	4822 051 10331	330Ω 2% 0,25W
3370	4822 100 11391	330Ω 30% LIN
3371	4822 051 10431	430Ω 2% 0,25W
3372	4822 051 10331	330Ω 2% 0,25W
3375	4822 051 10008	0Ω 5% 0,25W
3376	4822 116 52286	5k1 5% 0,5W
3377	4822 051 10103	10k 2% 0,25W
3377	4822 051 10682	6k8 2% 0,25W
3380	4822 050 11002	1k 1% 0,4W
3382	4822 051 20222	2k2 5% 0,1W
3383	4822 051 10333	33k 2% 0,25W
3385	4822 051 10105	1M 5% 0,25W
3387	4822 050 11002	1k 1% 0,4W
3389	4822 051 10182	1k8 2% 0,25W
3390	4822 051 10821	820Ω 2% 0,25W
3391	4822 051 20222	2k2 5% 0,1W
3392	4822 051 10101	100Ω 2% 0,25W
3393	4822 051 10101	100Ω 2% 0,25W
3394	4822 051 10101	100Ω 2% 0,25W
3395	4822 051 10471	470Ω 2% 0,25W
3396	4822 051 20222	2k2 5% 0,1W
3397	4822 052 10249	24Ω 5% 0,33W
3398	4822 116 52175	100Ω 5% 0,5W
3399	4822 116 52175	100Ω 5% 0,5W
3410	4822 116 52224	470Ω 5% 0,5W
3425	4822 116 52224	470Ω 5% 0,5W
3426	4822 116 52224	470Ω 5% 0,5W
3450	4822 051 20222	2k2 5% 0,1W
3451	4822 051 10432	4k3 2% 0,25W
3453	4822 051 10511	510Ω 2% 0,25W
3454	4822 051 10101	100Ω 2% 0,25W
3455	4822 051 10101	100Ω 2% 0,25W
3456	4822 051 10101	100Ω 2% 0,25W
3465	4822 050 11002	1k 1% 0,4W
3471	4822 116 52233	10k 5% 0,5W
3472	4822 051 10682	6k8 2% 0,25W
3473	4822 051 10362	3k6 2% 0,25W
3474	4822 051 10101	100Ω 2% 0,25W
3475	4822 051 10124	120k 2% 0,25W
3476	4822 051 10154	150k 2% 0,25W
3477	4822 116 52286	5k1 5% 0,5W
3478	4822 116 52175	100Ω 5% 0,5W
3478	4822 116 52224	470Ω 5% 0,5W
3479	4822 051 10223	22k 2% 0,25W
3480	4822 052 10278	2Ω7 5% 0,33W
3481	4822 052 10278	2Ω7 5% 0,33W
3482	4822 116 52223	430Ω 5% 0,5W
3483	4822 116 52175	100Ω 5% 0,5W
3488	4822 051 20222	2k2 5% 0,1W
3492	4822 051 10471	470Ω 2% 0,25W
3590	4822 051 10101	100Ω 2% 0,25W
3600	4822 051 10362	3k6 2% 0,25W
3600	4822 051 10472	4k7 2% 0,25W
3602	4822 100 11212	2k2 30% LIN
3603	4822 051 10332	3k3 2% 0,25W
3604	4822 051 10182	1k8 2% 0,25W
3605	4822 051 10472	4k7 2% 0,25W
3606	4822 052 10279	27Ω 5% 0,33W
3607	4822 051 10302	3k 2% 0,25W
3608	4822 051 10101	100Ω 2% 0,25W
3610	4822 051 10101	100Ω 2% 0,25W
3612	4822 051 10102	1k 2% 0,25W
3620	4822 051 10183	18k 2% 0,25W
3622	4822 051 10183	18k 2% 0,25W
3624	4822 051 10102	1k 2% 0,25W
3626	4822 051 10183	18k 2% 0,25W
3628	4822 051 10102	1k 2% 0,25W
3630	4822 051 10183	18k 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3634	4822 051 10183	18k 2% 0,25W
3636	4822 051 10102	1k 2% 0,25W
3638	4822 051 10183	18k 2% 0,25W
3640	4822 051 10102	1k 2% 0,25W
3642	4822 051 10183	18k 2% 0,25W
3644	4822 051 10102	1k 2% 0,25W
3646	4822 051 10183	18k 2% 0,25W
3650	4822 051 10392	3k9 2% 0,25W
3651	4822 051 10123	12k 2% 0,25W
3652	4822 051 10392	3k9 2% 0,25W
3653	4822 051 10123	12k 2% 0,25W
3654	4822 116 52244	15k 5% 0,5W
3660	4822 051 10331	330Ω 2% 0,25W
3662	4822 051 10151	150Ω 2% 0,25W
3664	4822 051 10331	330Ω 2% 0,25W
3665	4822 052 10159	15Ω 5% 0,33W
3666	4822 051 10151	150Ω 2% 0,25W
3668	4822 051 10331	330Ω 2% 0,25W
3672	4822 051 10331	330Ω 2% 0,25W
3680	4822 052 10279	27Ω 5% 0,33W
3682	4822 051 10568	5Ω6 5% 0,25W
3684	4822 116 52175	100Ω 5% 0,5W
3686	4822 116 52175	100Ω 5% 0,5W
3700	4822 116 52263	2k7 5% 0,5W
3702	4822 051 10223	22k 2% 0,25W
3704	4822 051 10102	1k 2% 0,25W
3706	4822 052 10109	10Ω 5% 0,33W
3708	4822 051 10101	100Ω 2% 0,25W
3710	4822 051 20183	18k 5% 0,1W
3712	4822 116 52203	91Ω 5% 0,5W
3713	4822 116 52203	91Ω 5% 0,5W
3714	4822 051 10828	8Ω2 5% 0,25W
3720	4822 052 10109	10Ω 5% 0,33W
3722	4822 116 52263	2k7 5% 0,5W
3724	4822 051 10223	22k 2% 0,25W
3726	4822 051 10102	1k 2% 0,25W
3728	4822 051 10101	100Ω 2% 0,25W
3730	4822 051 20183	18k 5% 0,1W
3732	4822 116 52203	91Ω 5% 0,5W
3733	4822 116 52203	91Ω 5% 0,5W
3734	4822 051 10828	8Ω2 5% 0,25W
3998	4822 051 10151	150Ω 2% 0,25W
3998	4822 051 10181	180Ω 2% 0,25W
3998	4822 051 10221	220Ω 2% 0,25W
3998	4822 051 10332	3k3 2% 0,25W
3998	4822 051 10393	39k 2% 0,25W
3998	4822 051 10473	47k 2% 0,25W
3998	4822 051 10563	56k 2% 0,25W
3998	4822 051 10333	33k 2% 0,25W

Jumpers

4066	4822 051 10008	0Ω 5% 0,25W
4105	4822 051 10008	0Ω 5% 0,25W
4106	4822 051 10008	0Ω 5% 0,25W
4107	4822 051 10008	0Ω 5% 0,25W
4108	4822 051 10008	0Ω 5% 0,25W
4109	4822 051 10008	0Ω 5% 0,25W
4110	4822 051 10008	0Ω 5% 0,25W
4111	4822 051 10008	0Ω 5% 0,25W
4112	4822 051 10008	0Ω 5% 0,25W
4114	4822 051 10008	0Ω 5% 0,25W
4115	4822 051 10008	0Ω 5% 0,25W
4120	4822 051 10008	0Ω 5% 0,25W
4127	4822 051 10008	0Ω 5% 0,25W
4130	4822 051 10008	0Ω 5% 0,25W
4148	4822 051 10008	0Ω 5% 0,25W
4161	4822 051 10008	0Ω 5% 0,25W
4164	4822 051 20008	0Ω 5% 0,1W
4164	4822 051 10008	0Ω 5% 0,25W
4166	4822 051 10008	0Ω 5% 0,25W
4170	4822 051 10008	0Ω 5% 0,25W
4171	4822 051 10008	0Ω 5% 0,25W
4184	4822 051 10008	0Ω 5% 0,25W
4200	4822 051 10008	0Ω 5% 0,25W
4201	4822 051 10008	0Ω 5% 0,25W
4203	4822 051 10008	0Ω 5% 0,25W
4205	4822 051 10008	0Ω 5% 0,25W
4210	4822 051 10008	0Ω 5% 0,25W
4220	4822 051 10008	0Ω 5% 0,25W
4234	4822 051 10008	0Ω 5% 0,25W
4237	4822 051 10008	0Ω 5% 0,25W
4241	4822 051 10008	0Ω 5% 0,25W
4246	4822 051 10008	0Ω 5% 0,25W
4255	4822 051 10008	0Ω 5% 0,25W
4280	4822 051 10008	0Ω 5% 0,25W
4300	4822 051 10008	0Ω 5% 0,25W
4302	4822 051 10008	0Ω 5% 0,25W
4319	4822 051 10008	0Ω 5% 0,25W
4320	4822 051 10008	0Ω 5% 0,25W
4321	4822 051 10008	0Ω 5% 0,25W
4330	4822 051 10008	0Ω 5% 0,25W
4331	4822 051 10008	0Ω 5% 0,25W
4346	4822 051 10008	0Ω 5% 0,25W
4360	4822 051 10008	0Ω 5% 0,25W
4361	4822 051 10008	0Ω 5% 0,25W
4376	4822 051 10008	0Ω 5% 0,25W
4377	4822 051 10008	0Ω 5% 0,25W
4386	4822 051 10008	0Ω 5% 0,25W
4420	4822 051 10008	0Ω 5% 0,25W
4440	4822 051 10008	0Ω 5% 0,25W
4452	4822 051 10008	0Ω 5% 0,25W
4453	4822 051 10008	0Ω 5% 0,25W
4454	4822 051 10008	0Ω 5% 0,25W
4460	4822 051 10008	0Ω 5% 0,25W
4498	4822 051 10008	0Ω 5% 0,25W
4600	4822 051 10008	0Ω 5% 0,25W
4610	4822 051 10008	0Ω 5% 0,25W
4672	4822 051 10008	0Ω 5% 0,25W
4673	4822 051 10008	0Ω 5% 0,25W

5100	4822 157 53906	47μH 10%
5115	4822 152 20677	10μH 10%
5270	4822 157 52983	22μH 10%
5303	4822 157 63065	0,68μH 20%
5304	4822 157 63065	0,68μH 20%
5305	4822 157 62823	26μH 6%
5310	4822 157 63245	82μH 10%
5345	4822 157 62822	4,5μH 6%
5346	4822 157 62823	26μH 6%
5370	4822 157 62824	7,5μH 6%
5403	4822 157 63065	0,68μH 20%
5403	4822 157 53302	1μH 20%
5404	4822 157 63065	0,68μH 20%
5404	4822 157 53302	1μH 20%
5454	4822 157 63065	0,68μH 20%

Small

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Small signal panel C D F H

5455	4822 157 63065	0,68μH 20%
5456	4822 157 63065	0,68μH 20%

6117	4822 130 80906	LLZ-F7V5
6120	4822 130 80446	LL4148
6121	4822 130 80446	LL4148
6163	4822 130 81226	LLZ-F33
6165	4822 130 80446	BAS32L
6166	4822 130 80446	BAS32L
6168	4822 130 80446	LL4148
6172	4822 130 80906	LLZ-C7V5
6173	4822 130 80446	LL4148
6178	4822 130 81222	LLZ-C15
6205	4822 130 80446	BAS32L
6206	4822 130 80446	BAS32L
6207	4822 130 80446	BAS32L
6256	4822 130 80446	BAS32L
6257	4822 130 80446	BAS32L
6280	4822 130 80446	LL4148
6281	4822 130 80446	LL4148
6342	4822 130 80888	BA682
6343	4822 130 80888	BA682
6386	4822 130 80446	LL4148
6387	4822 130 80954	LLZ-C5V6
6450	4822 130 81512	LLZ-C6V2
6465	4822 130 80446	LL4148
6478	4822 130 82345	LLZ-C22
6479	4822 130 80877	BAV103
6480	4822 130 82348	LLZ-F9V1
6610	4822 130 30621	1N4148
6660	4822 130 80446	LL4148
6661	4822 130 81223	LLZ-C2V4
6662	4822 130 80446	LL4148
6663	4822 130 81223	LLZ-C2V4
6664	4822 130 80446	LL4148
6665	4822 130 80446	LL4148

7119	5322 130 41982	BC848B
7120	5322 130 41982	BC848B
7121	4822 130 42513	BC858C
7365	4822 209 30837	TDA4650/V4/S1
7130	5322 130 42136	BC848C
7137	4822 209 71521	X2404
7175	5322 209 10883	PCF8574P
7176	4822 130 42513	BC858C
7177	4822 130 42513	BC858C
7178	5322 130 41982	BC848B
7182	5322 130 44743	BSR12
7183	5322 130 41982	BC848B
7186	4822 209 73852	PMBT2369
7188	4822 130 60511	BC847B
7193	4822 209 83163	LM833N
7193	4822 209 61115	LF353N
7216	4822 130 42615	BC817-40
7219	4822 209 63292	TEA6414
7243	5322 130 41983	BC858B
7244	5322 130 41982	BC848B
7258	5322 209 10421	HEF4094BP
7260	4822 130 42615	BC817-40
7261	5322 130 42136	BC848C
7265	5322 130 41982	BC848B
7268	4822 130 42615	BC817-40
7270	5322 130 41982	BC848B
7273	4822 130 42615	BC817-40
7305	5322 130 41983	BC858B
7311	5322 130 41982	BC848B
7312	5322 130 42136	BC848C
7313	4822 130 42513	BC858C
7314	5322 130 42136	BC848C
7315	5322 130 42136	BC848C
7324	4822 209 63901	TDA4568/V2
7326	5322 130 42136	BC848C
7338	5322 130 41982	BC848B
7350	5322 130 41982	BC848B
7360	4822 130 42615	BC817-40
7364	4822 209 30389	TDA4510/V8
7365	4822 209 30837	TDA4650/V4/S1
7366	4822 209 63108	TDA4660/V2
7390	4822 130 42513	BC858C
7395	4822 209 30394	TDA8443B/C1
7410	4822 209 73852	PMBT2369
7430	4822 209 63733	TDA4680/V5
7450	5322 130 42136	BC848C
7450	5322 130 42755	BC847C
7451	5322 130 42136	BC848C
7451	5322 130 42755	BC847C
7471	5322 130 42136	BC848C
7480	5322 130 44921	BD943
7492	5322 130 42136	BC848C
7600	4822 209 63967	TDA8417/V2
7620	4822 209 10263	4052B
7622	4822 209 10263	4052B
7630	4822 209 83163	LM833N
7635	4822 209 83163	LM833N
7660	5322 130 41982	BC848B
7661	5322 130 41982	BC848B
7662	5322 130 41982	BC848B
7680	4822 209 63734	TDA8425/V7
7704	4822 209 83163	LM833N
7706	5322 130 41982	BC848B
7708	5322 130 41983	BC858B
7730	5322 130 41982	BC848B
7732	5322 130 41983	BC858B

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High end-box L M

Connectors

	4822 267 70257	IC socket 48P
	4822 255 40901	IC socket 40P
	4822 267 60252	IC socket 24P
	4822 267 50885	IC socket 16P
	4822 265 40472	10p gold plated

Various

1100	4822 242 72572	crystal 12MHz
1200	4822 242 71417	cryst. 13,875MHz

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2100	4822 122 32999	2,2nF 5% 63V
2101	4822 122 32999	2,2nF 5% 63V
2102	4822 122 31825	27pF 10% 50V
2103	4822 122 31825	27pF 10% 50V
2104	4822 124 40435	10μF 20% 50V
2105	4822 122 33496	100nF 10% 63V
2106	4822 122 33498	2,7nF 10% 63V
2107	4822 124 41715	220μF 20% 6,3V
2108	4822 124 41506	47μF 20% 16V
2109	4822 122 31965	220pF 5% 63V
2110	4822 122 31965	220pF 5% 63V
2111	5322 122 31842	330pF 5% 63V
2112	4822 122 33496	100nF 10% 63V
2113	5322 122 32163	5,6pF 5% 100V
2114	4822 122 33496	100nF 10% 63V
2115	4822 122 31965	220pF 5% 63V
2116	4822 122 31965	220pF 5% 63V
2117	5322 122 31842	330pF 5% 63V
2118	4822 122 31981	33nF ±0,5pF 50V
2119	4822 126 11492	220nF 10% 50V
2120	4822 122 31797	22nF 10% 63V
2121	4822 122 31797	22nF 10% 63V
2123	4822 122 33496	100nF 10% 63V
2124	4822 122 33496	100nF 10% 63V
2125	4822 122 31971	10pF 10% 50V
2126	4822 122 33496	100nF 10% 63V
2127	4822 122 33496	100nF 10% 63V
2128	4822 122 33496	100nF 10% 63V
2130	4822 122 31765	100pF 5% 50V
2131	4822 122 31765	100pF 5% 50V
2133	4822 122 31765	100pF 5% 50V
2134	4822 122 31746	1000pF 5% 50V
2135	4822 122 31772	47pF 5% 50V
2136	4822 122 31746	1000pF 5% 50V
2137	4822 122 32504	15pF 5% 50V
2138	4822 122 31971	10pF 10% 50V
2139	4822 122 31772	47pF 5% 50V
2140	4822 122 31772	47pF 5% 50V
2141	4822 122 31772	47pF 5% 50V
2142	4822 122 31772	47pF 5% 50V
2143	4822 122 31772	47pF 5% 50V
2144	4822 122 31772	47pF 5% 50V
2146	4822 122 31746	1000pF 5% 50V
2147	4822 122 32507	6,8pF 5% 50V
2148	4822 122 31965	220pF 5% 63V
2149	4822 122 31965	220pF 5% 63V
2150	5322 121 42661	330nF 5% 63V
2151	4822 122 31971	10pF 10% 50V
2152	4822 122 31774	56pF 5% 50V
2153	4822 126 11492	220nF 10% 50V
2154	4822 122 33496	100nF 10% 63V
2155	4822 122 31972	39pF 5% 50V
2156	4822 122 31808	150pF 10% 50V
2157	4822 122 31808	150pF 10% 50V
2158	4822 122 33496	100nF 10% 63V
2159	4822 122 32444	33pF 5% 50V
2160	4822 122 31808	150pF 10% 50V
2161	4822 122 31808	150pF 10% 50V
2162	4822 122 33496	100nF 10% 63V
2163	4822 122 33496	100nF 10% 63V
2164	4822 122 33496	100nF 10% 63V
2165	4822 122 31981	33nF +-0,5pF 50V
2166	4822 122 31772	47pF 5% 50V
2167	4822 122 31772	47pF 5% 50V
2168	4822 122 31772	47pF 5% 50V
2169	4822 124 41643	100μF 20% 16V
2170	4822 122 33496	100nF 10% 63V
2172	4822 122 33496	100nF 10% 63V
2173	4822 122 33496	100nF 10% 63V
2174	4822 122 33496	100nF 10% 63V
2175	4822 122 33496	100nF 10% 63V
2176	4822 122 33496	100nF 10% 63V
2177	4822 122 33496	100nF 10% 63V
2178	4822 122 33496	100nF 10% 63V
2179	4822 122 31768	180pF 5% 50V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 33496	100nF 10% 63V
2182	4822 122 33496	100nF 10% 63V
2183	4822 122 33496	100nF 10% 63V
2184	4822 122 31772	47pF 5% 50V
2185	4822 122 31772	47pF 5% 50V
2186	4822 122 32082	4,7pF 5% 50V
2187	4822 124 41715	220μF 20% 6,3V
2188	4822 122 32999	2,2nF 5% 63V
2198	4822 122 31971	10pF 10% 50V
2199	4822 122 31772	47pF 5% 50V
2200	4822 124 41643	100μF 20% 16V
2201	5322 122 31842	330pF 5% 63V
2202	4822 124 41576	2,2μF 20% 50V
2203	4822 122 31825	27pF 10% 50V
2204	4822 122 32442	10nF 50V
2205	4822 122 32442	10nF 50V
2206	4822 122 32504	15pF 5% 50V
2207	4822 122 31765	100pF 5% 50V
2208	4822 122 32142	270pF 5% 63V
2209	4822 122 31797	22nF 10% 63V
2210	4822 122 31727	470pF 5% 63V
2211	5322 122 31647	1nF 10% 63V
2212	4822 122 32504	15pF 5% 50V
2215	4822 124 41576	2,2μF 20% 50V
2216	4822 122 33496	100nF 10% 63V
2217	4822 124 41576	2,2μF 20% 50V
2218	4822 124 41596	22μF 20% 50V
2219	4822 122 33496	100nF 10% 63V
2220	4822 124 41577	4,7μF 20% 50V
2221	4822 122 33496	100nF 10% 63V
2222	4822 122 33496	100nF 10% 63V
2223	4822 124 41643	100μF 20% 16V
2224	4822 121 42937	2,7nF 1% 250V
2225	4822 122 31765	100pF 5% 50V
2227	4822 124 40435	10μF 20% 50V
2228	4822 122 32142	270pF 5% 63V
2229	4822 122 33496	100nF 10% 63V
2230	4822 122 32142	270pF 5% 63V
2233	4822 122 31765	100pF 5% 50V
2235	4822 122 33498	2,7nF 10% 63V
2236	4822 122 32891	68nF 10% 63V
2237	4822 122 33496	100nF 10% 63V
2250	4822 122 33496	100nF 10% 63V
2251	4822 124 41554	220μF 20% 10V
2252	4822 122 33496	100nF 10% 63V
2253	4822 121 51252	470nF 5% 63V
2254	4822 121 51252	470nF 5% 63V
2255	4822 122 33496	100nF 10% 63V
2256	4822 122 31965	220pF 5% 63V
2257	4822 122 31965	220pF 5% 63V
2258	4822 122 31769	18pF 5% 50V
2259	4822 122 31774	56pF 5% 50V
2260	4822 122 31774	56pF 5% 50V
2261	4822 122 33496	100nF 10% 63V
2262	4822 124 41643	100μF 20% 16V
2265	4822 124 41643	100μF 20% 16V
2266	4822 126 11725	1μF 20% 50V
2268	4822 124 41997	470μF 10V
2269	4822 122 33496	100nF 10% 63V
2270	4822 122 33496	100nF 10% 63V
2271	4822 122 33496	100nF 10% 63V
2272	4822 122 33496	100nF 10% 63V
2273	4822 124 40731	330μF 20% 6,3V
2274	4822 124 41506	47μF 20% 16V
2275	4822 122 33496	100nF 10% 63V
2276	4822 122 33496	100nF 10% 63V
2277	4822 124 41506	47μF 20% 16V
2286	4822 122 31765	100pF 5% 50V
2287	4822 122 31765	100pF 5% 50V
2289	5322 122 32269	6,8pF 5% 50V
2291	5322 122 32269	6,8pF 5% 50V
2292	4822 124 41643	100μF 20% 16V
2293	5322 122 32269	6,8pF 5% 50V
2294	4822 122 31769	18pF 5% 50V
2295	5322 122 32269	6,8pF 5% 50V
2296	4822 122 31769	18pF 5% 50V
2297	5322 122 32269	6,8pF 5% 50V
2298	4822 122 31769	18pF 5% 50V
2299	5322 122 32269	6,8pF 5% 50V
2301	4822 122 33496	100nF 10% 63V
2302	4822 122 33496	100nF 10% 63V
2303	4822 122 33496	100nF 10% 63V
2304	4822 122 32442	10nF 50V
2305	4822 122 32442	10nF 50V
2306	4822 122 32442	10nF 50V
2307	4822 122 33496	100nF 10% 63V
2308	4822 122 33496	100nF 10% 63V
2309	4822 122 33496	100nF 10% 63V
2310	4822 124 41997	470μF 20% 10V
2311	4822 124 41506	47μF 20% 16V
2312	4822 122 31769	18pF 5% 50V

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3000	4822 116 52186	22Ω 5% 0,5W
3000	4822 116 52188	27Ω 5% 0,5W
3001	4822 051 10102	1k 2% 0,25W
3001	4822 051 10122	1k2 2% 0,25W
3100	4822 051 20222	2k2 5% 0,1W
3101	4822 051 20222	2k2 5% 0,1W
3102	4822 051 10473	47k 2% 0,25W
3103	4822 051 10473	47k 2% 0,25W
3104	4822 051 10181	180Ω 2% 0,25W
3106	4822 051 10752	7k5 2% 0,25W
3107	4822 051 10562	5k6 2% 0,25W
3108	4822 051 10331	330Ω 2% 0,25W
3109	4822 051 10152	1k5 2% 0,25W
3110	4822 051 10102	1k 2% 0,25W
3111	4822 051 10473	47k 2% 0,25W
3112	4822 051 10103	10k 2% 0,25W
3113	4822 051 10109	10Ω 2% 0,25W
3114	4822 051 10104	100k 2% 0,25W
3119	4822 051 10152	1k5 2% 0,25W

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5% 63V
5% 63V
10% 63V
5% 63V
5% 63V

% 50V
% 50V
% 50V
10% 63V
20% 16V

20% 16V
% 50V
10V
10% 63V
10% 63V

10% 63V
10% 63V
20% 6,3V
% 16V
0% 63V

0% 63V
% 16V
% 50V
% 50V
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% 50V
0% 16V
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50V
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50V
% 50V
50V
% 50V
0% 63V

0% 63V
0% 63V
V
V
V

0% 63V
0% 63V
0% 63V
0% 10V
% 16V

50V

0,5W
0,5W
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0,25W
0,1W

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0,25W

High end-box L M

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3120	4822 051 10332	3k3 2% 0,25W
3121	4822 051 10472	4k7 2% 0,25W
3122	4822 051 10473	47k 2% 0,25W
3123	4822 051 10122	1k2 2% 0,25W
3124	4822 051 10101	100Ω 2% 0,25W
3126	4822 051 10272	2k7 2% 0,25W
3127	4822 051 10221	220Ω 2% 0,25W
3131	4822 051 10109	10Ω 2% 0,25W
3132	4822 051 10152	1k5 2% 0,25W
3133	4822 051 10101	100Ω 2% 0,25W
3134	4822 051 10221	220Ω 2% 0,25W
3135	4822 051 10272	2k7 2% 0,25W
3136	4822 116 81193	15Ω 5% 0,3W
3137	4822 051 10223	22k 2% 0,25W
3138	4822 051 10124	120k 2% 0,25W
3139	4822 051 10101	100Ω 2% 0,25W
3140	4822 051 10224	220k 2% 0,25W
3141	4822 051 10223	22k 2% 0,25W
3142	4822 051 10104	100k 2% 0,25W
3143	4822 051 10104	100k 2% 0,25W
3144	4822 051 10272	2k7 2% 0,25W
3145	4822 051 10759	75Ω 2% 0,25W
3146	4822 051 20222	2k2 5% 0,1W
3147	4822 051 10279	27Ω 2% 0,25W
3148	4822 051 10479	47Ω 2% 0,25W
3151	4822 051 10102	1k 2% 0,25W
3152	4822 051 10621	620Ω 2% 0,25W
3153	4822 051 10122	1k2 2% 0,25W
3155	4822 051 10271	270Ω 2% 0,25W
3156	4822 051 10102	1k 2% 0,25W
3157	4822 051 10151	150Ω 2% 0,25W
3158	4822 051 10331	330Ω 2% 0,25W
3159	4822 051 20222	2k2 5% 0,1W
3160	4822 051 10241	240Ω 2% 0,25W
3161	4822 051 10221	220Ω 2% 0,25W
3162	4822 051 10102	1k 2% 0,25W
3163	4822 051 10332	3k3 2% 0,25W
3164	4822 051 20222	2k2 5% 0,1W
3165	4822 051 10332	3k3 2% 0,25W
3166	4822 051 20222	2k2 5% 0,1W
3168	4822 051 10221	220Ω 2% 0,25W
3169	4822 051 10105	1M 5% 0,25W
3170	4822 051 10102	1k 2% 0,25W
3171	4822 051 10102	1k 2% 0,26W
3172	4822 051 51102	1k1 1% 0,125W
3173	4822 051 10102	1k 2% 0,25W
3174	4822 051 10102	1k 2% 0,25W
3175	4822 051 10683	68k 2% 0,25W
3176	4822 051 10103	10k 2% 0,25W
3198	4822 051 10008	0Ω 5% 0,25W
3200	4822 111 41423	18Ω 5% 0,3W
3202	4822 051 10101	100Ω 2% 0,25W
3203	4822 051 10101	100Ω 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3205	4822 051 10102	1k 2% 0,25W
3206	4822 051 10332	3k3 2% 0,25W
3207	4822 051 10104	100k 2% 0,25W
3208	4822 051 10102	1k 2% 0,25W
3209	4822 051 10562	5k6 2% 0,25W
3210	4822 111 41424	22Ω 5% 0,3W
3211	4822 051 10229	22Ω 2% 0,25W
3212	4822 051 10122	1k2 2% 0,25W
3213	4822 051 10561	560Ω 2% 0,25W
3214	4822 051 10303	30k 2% 0,25W
3215	4822 051 10102	1k 2% 0,25W
3216	4822 051 10562	5k6 2% 0,25W
3217	4822 051 10101	100Ω 2% 0,25W
3218	4822 051 10155	1M5 5% 0,25W

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3220	4822 051 10473	47k 2% 0,25W
3221	4822 051 10181	180Ω 2% 0,25W
3222	4822 051 10683	68k 2% 0,25W
3223	4822 051 10102	1k 2% 0,25W
3224	4822 051 20222	2k2 5% 0,1W
3225	4822 051 10221	220Ω 2% 0,25W
3226	4822 051 10681	680Ω 2% 0,25W
3227	4822 051 10221	220Ω 2% 0,25W
3228	4822 100 11483	10k 30% LIN
3230	4822 051 10562	5k6 2% 0,25W
3231	4822 051 20222	2k2 5% 0,1W
3232	4822 051 10102	1k 2% 0,25W
3251	4822 051 10393	39k 2% 0,25W
3252	4822 051 10751	750Ω 2% 0,25W
3253	4822 051 10751	750Ω 2% 0,25W
3254	4822 051 10221	220Ω 2% 0,25W
3255	4822 051 10471	470Ω 2% 0,25W
3256	4822 051 10681	680Ω 2% 0,25W
3260	4822 051 10822	8k2 2% 0,25W
3261	4822 051 10472	4k7 2% 0,25W
3262	4822 111 41424	22Ω 5% 0,3W
3274	4822 051 10223	22k 2% 0,25W
3275	4822 051 10102	1k 2% 0,25W
3276	4822 051 10392	3k9 2% 0,25W
3279	4822 051 10122	1k2 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3281	4822 051 20222	2k2 5% 0,1W
3290	4822 051 10561	560Ω 2% 0,25W
3291	4822 051 10561	560Ω 2% 0,25W
3292	4822 051 10561	560Ω 2% 0,25W
3293	4822 051 10561	560Ω 2% 0,25W
3296	4822 051 55601	560Ω 1% 0,25W
3297	4822 051 52611	261Ω 1% 0,25W
3298	4822 051 10102	1k 2% 0,25W
3299	4822 051 10102	1k 2% 0,25W
3301	4822 051 10339	33Ω 2% 0,25W
3302	4822 051 10339	33Ω 2% 0,25W
3303	4822 051 10339	33Ω 2% 0,25W
3304	4822 051 10109	10Ω 2% 0,25W
3310	4822 051 10912	9k1 2% 0,25W
3320	4822 051 10008	0Ω 5% 0,25W
3321	4822 051 10008	0Ω 5% 0,25W
3322	4822 051 10008	0Ω 5% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W

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5040	4822 157 52983	22μH 10%
5041	4822 157 52983	22μH 10%
5100	4822 157 63246	6μH
5101	4822 157 63247	1,4μH
5102	4822 157 52403	3,3μH 10%
5103	4822 157 60147	2,2μH
5104	4822 157 60147	2,2μH
5105	4822 157 60147	2,2μH
5106	4822 157 60147	2,2μH
5107	4822 157 60147	2,2μH
5108	4822 157 60147	2,2μH
5109	4822 157 60147	2,2μH
5150	4822 157 52224	15μH 10%
5151	4822 157 60498	56μH 10%
5152	4822 157 60498	56μH 10%
5201	4822 157 52224	15μH 10%

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5202	4822 157 52138	27μH 10%
5251	4822 157 60147	2,2μH
5252	4822 157 60147	2,2μH

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6102	5322 130 80119	BBY40
6103	5322 130 80119	BBY40
6150	4822 130 82914	DIODE
6160	4822 130 80446	LL4148
6200	4822 130 80884	LLZ-C5V1
6201	4822 130 31253	BZX55-C2V4
6202	4822 130 80446	LL4148
6250	4822 130 33706	BZX84-B5V1
6251	4822 130 80446	LL4148

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7100	4822 130 61207	BC848
7101	5322 130 42136	BC848C
7103	5322 130 42012	BC858
7104	4822 130 61207	BC848
7105	5322 130 42012	BC858
7106	4822 130 61207	BC848
7107	4822 130 61207	BC848
7108	4822 130 40938	BC548
7109	5322 130 42012	BC858
7110	5322 130 42012	BC858
7111	4822 130 61207	BC848
7112	5322 130 42012	BC858
7113	5322 130 42012	BC858
7116	4822 130 42131	BF550
7117	4822 130 42131	BF550
7119	5322 130 42136	BC848C
7120	5322 130 42136	BC848C
7121	5322 130 42136	BC848C
7122	5322 130 42136	BC848C
7123	4822 130 42513	BC858C
7124	5322 130 42136	BC848C
7125	5322 130 42136	BC848C
7156	4822 130 61207	BC848
7157	4822 130 61207	BC848
7159	4822 130 61207	BC848
7160	5322 130 42012	BC858
7170	4822 130 42513	BC858C
7200	4822 209 63645	SAA5231/V7
7201	4822 209 63902	SAA9042P/A
7202	4822 209 63893	LH2464-10
7203	4822 209 63423	TDA2579B/N2
7204	4822 209 30868	PCF80C51BH-3P
7205	4822 209 63892	UPD91237C
7206	4822 209 82341	PC74HCT04P
7207	4822 209 82341	PC74HCT04P
7209	4822 209 83163	LM833N
7210	4822 209 63894	PC74HCT4066P
7211	4822 209 30913	TDA8703/C4
7212	4822 209 30913	TDA8703/C4
7213	4822 209 30913	TDA8703/C4
7214	5322 209 11588	PC74HCT195P
7215	5322 209 11588	PC74HCT195P
7216	5322 209 11588	PC74HCT195P
7217	5322 209 11588	PC74HCT195P
7218	4822 209 72042	MC78L05ACP
7250	4822 209 60525	TMS4C1050-3N
7251	4822 209 60525	TMS4C1050-3N
7252	4822 209 60525	TMS4C1050-3N
7253	4822 209 63891	SDA9060
7254	4822 209 63897	TDA4563/V5

Spare parts list / Stückliste / Liste

PIP panel J

Connectors

	4822 265 40503	5P female gold
	4822 265 40472	10P female gold
	4822 265 30828	5P male
	4822 265 30899	5P
	4822 265 20509	2P grey
	4822 265 20511	2P blue

Various parts

1155	4822 320 40051	delay line DL711
1201	4822 242 70304	crystal 8,867MHz
1212	4822 242 70736	crystal 7,159MHz
1600	4822 210 50124	UV916E/IEC
1610	4822 242 80275	OFWG3962

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2103	4822 122 32444	33pF 5% 50V
2105	4822 122 31766	120pF 5% 50V
2118	4822 122 31775	680pF 5% 50V
2119	4822 122 31808	150pF 10% 50V
2120	4822 122 31807	1200pF 5% 50V
2125	4822 122 32863	22nF 80% 50V
2155	4822 122 32862	10nF 80% 50V
2158	4822 122 32862	10nF 80% 50V
2160	4822 121 42408	220nF 5% 63V
2161	4822 121 41854	150nF 5% 63V
2162	4822 122 31947	100nF 20% 63V
2171	4822 122 31961	68pF 5% 63V
2172	4822 126 11175	22pF 5% 50V
2176	4822 126 11175	22pF 5% 50V
2177	4822 122 31961	68pF 5% 63V
2180	4822 122 31768	180pF 5% 50V
2181	4822 122 31768	180pF 5% 50V
2185	4822 122 32863	22nF 80% 50V
2187	4822 122 32863	22nF 80% 50V
2189	4822 122 31746	1000pF 5% 50V
2196	4822 122 33105	56nF 10% 63V
2197	4822 122 31385	22pF 50V
2201	4822 122 31746	1000pF 5% 50V
2202	4822 125 50045	20pF trim.
2211	4822 122 31746	1000pF 5% 50V
2212	4822 125 50045	20pF trim.
2220	5322 121 42661	330nF 5% 63V
2222	4822 122 32542	47nF 10% 63V
2227	4822 122 31842	330pF 5% 63V
2230	4822 124 41578	6,8µF 20% 50V
2232	4822 124 41678	22µF 20% 25V
2234	4822 122 33496	100nF 10% 63V
2235	4822 124 41578	6,8µF 20% 50V
2238	4822 121 42937	2,7nF 1% 250V
2239	4822 122 31947	100nF 20% 63V
2250	4822 121 51115	270nF 10% 63V
2251	5322 122 31647	1nF 10% 63V
2255	4822 122 31766	120pF 5% 50V
2260	4822 122 31947	100nF 20% 63V
2270	4822 122 31947	100nF 20% 63V
2330	4822 122 32597	6,8nF 10% 63V
2345	4822 124 41506	47µF 20% 16V
2350	4822 124 40849	330µF 20% 16V
2351	4822 124 41643	100µF 20% 16V
2380	4822 122 32927	220nF
2382	4822 122 32927	220nF
2384	4822 122 32927	220nF
2391	4822 122 32927	220nF
2395	4822 122 32927	220nF
2397	4822 122 32927	220nF

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2399	4822 122 31746	1000pF 5% 50V
2404	4822 122 31965	220pF 5% 63V
2405	4822 122 32862	10nF 80% 50V
2409	4822 122 31965	220pF 5% 63V
2410	4822 122 32862	10nF 80% 50V
2413	4822 122 31839	82pF 10% 50V
2414	4822 122 32862	10nF 80% 50V
2415	4822 122 32765	820pF 10% 63V
2430	4822 122 31947	100nF 20% 63V
2432	4822 122 31947	100nF 20% 63V
2434	4822 122 31947	100nF 20% 63V
2438	4822 121 42472	10nF 10% 50V
2439	4822 121 41856	22nF 5% 250V
2440	4822 122 31965	220pF 5% 63V
2441	4822 122 31727	470pF 5% 63V
2442	4822 124 40242	1µF 20% 63V
2446	4822 122 31947	100nF 20% 63V
2448	4822 122 31947	100nF 20% 63V
2450	4822 122 32856	8,2nF 10% 63V
2455	4822 122 31972	39pF 5% 50V
2459	4822 124 41997	470µF 10V
2466	4822 122 31947	100nF 20% 63V
2470	4822 124 40435	10µF 20% 50V
2604	4822 124 40195	150µF 20% 16V
2614	4822 124 41506	47µF 20% 16V
2615	4822 124 41576	2,2µF 20% 50V
2616	4822 122 32927	220nF
2618	4822 122 32442	10nF 50V
2619	4822 124 40849	330µF 20% 16V
2620	4822 122 32442	10nF 50V
2621	4822 122 31797	22nF 10% 63V
2622	4822 122 31947	100nF 20% 63V
2623	4822 122 31797	22nF 10% 63V
2627	4822 122 32927	220nF

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3100	4822 051 10008	0Ω 5% 0,25W
3103	4822 051 10821	820Ω 2% 0,25W
3104	4822 051 10821	820Ω 2% 0,25W
3105	4822 051 10362	3k6 2% 0,25W
3106	4822 051 10103	10k 2% 0,25W
3107	4822 051 10103	10k 2% 0,25W
3108	4822 051 10103	10k 2% 0,25W
3155	4822 051 10391	390Ω 2% 0,25W
3156	4822 051 10122	1k2 2% 0,25W
3157	4822 100 11391	330Ω 30% LIN
3158	4822 051 10759	75Ω 2% 0,25W
3170	4822 051 10112	1k1 2% 0,25W
3175	4822 051 10621	620Ω 2% 0,25W
3196	4822 050 11002	1k 1% 0,4W
3200	4822 051 10103	10k 2% 0,25W
3201	4822 051 10103	10k 2% 0,25W
3202	4822 051 10103	10k 2% 0,25W
3211	4822 051 10103	10k 2% 0,25W
3212	4822 051 10103	10k 2% 0,25W
3214	4822 051 10102	1k 2% 0,25W
3220	4822 051 10512	5k1 2% 0,25W
3221	4822 116 52233	10k 5% 0,5W
3222	4822 051 10008	0Ω 5% 0,25W
3227	4822 116 52299	7k 5 5% 0,5W
3228	4822 051 10472	4k7 2% 0,25W
3231	4822 051 10302	3k 2% 0,25W
3232	4822 051 10229	22Ω 2% 0,25W
3233	4822 051 10821	820Ω 2% 0,25W
3233	4822 051 10152	1k5 2% 0,25W
3234	4822 051 10202	2k 2% 0,25W
3235	4822 051 10222	1k2 2% 0,25W

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3236	4822 051 10511	510Ω 2% 0,25W
3237	4822 051 10153	15k 2% 0,25W
3238	4822 051 10333	33k 2% 0,25W
3239	4822 100 11319	4k7 30% LIN
3241	4822 051 10302	3k 2% 0,25W
3242	4822 050 11002	1k 1% 0,4W
3250	4822 051 10911	910Ω 2% 0,25W
3265	4822 051 10104	100k 2% 0,25W
3270	4822 051 10103	10k 2% 0,25W
3275	4822 051 10103	10k 2% 0,25W
3276	4822 051 10102	1k 2% 0,25W
3330	4822 051 10752	7k5 2% 0,25W
3331	4822 051 10103	10k 2% 0,25W
3332	4822 051 10152	1k5 2% 0,25W
3335	4822 051 10271	270Ω 2% 0,25W
3336	4822 051 10432	4k3 2% 0,25W
3337	4822 116 52207	1k2 5% 0,5W
3338	4822 051 10332	3k3 2% 0,25W
3340	4822 116 52253	2k 5% 0,5W
3345	4822 052 10229	22Ω 5% 0,33W
3353	4822 052 10568	5Ω6 5% 0,33W
3354	4822 051 10271	270Ω 2% 0,25W
3376	4822 051 10008	0Ω 5% 0,25W
3377	4822 051 10008	0Ω 5% 0,25W
3378	4822 051 10008	0Ω 5% 0,25W
3380	4822 051 10008	0Ω 5% 0,25W
3381	4822 051 10151	150Ω 2% 0,25W
3382	4822 051 10008	0Ω 5% 0,25W
3383	4822 051 10008	0Ω 5% 0,25W
3384	4822 051 10151	150Ω 2% 0,25W
3385	4822 051 10008	0Ω 5% 0,25W
3386	4822 051 10008	0Ω 5% 0,25W
3387	4822 051 10151	150Ω 2% 0,25W
3388	4822 051 10008	0Ω 5% 0,25W
3404	4822 051 10431	430Ω 2% 0,25W
3405	4822 051 10271	270Ω 2% 0,25W
3410	4822 051 10391	390Ω 2% 0,25W
3411	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10361	360Ω 2% 0,25W
3412	4822 051 10391	390Ω 2% 0,25W
3414	4822 051 10101	100Ω 2% 0,25W
3416	4822 051 10182	1k8 2% 0,25W
3434	4822 051 10473	47k 2% 0,25W
3436	4822 051 10473	47k 2% 0,25W
3437	4822 051 10101	100Ω 2% 0,25W
3438	4822 051 10513	51k 2% 0,25W
3440	4822 116 52222	390Ω 5% 0,5W
3441	4822 051 10519	51Ω 2% 0,25W
3442	4822 051 10919	91Ω 2% 0,25W
3444	4822 116 52175	100Ω 5% 0,5W
3446	4822 116 52175	100Ω 5% 0,5W
3448	4822 051 10392	3k9 2% 0,25W
3450	4822 051 10681	680Ω 2% 0,25W
3450	4822 051 10751	750Ω 2% 0,25W
3452	4822 051 10681	680Ω 2% 0,25W
3452	4822 051 10751	750Ω 2% 0,25W
3454	4822 051 10681	680Ω 2% 0,25W
3454	4822 051 10751	750Ω 2% 0,25W
3460	4822 116 52217	270Ω 5% 0,5W
3461	4822 116 52259	2k4 5% 0,5W
3462	4822 051 10333	33k 2% 0,25W
3463	4822 116 52299	7k5 5% 0,5W
3464	4822 051 10472	4k7 2% 0,25W
3465	4822 051 10821	820Ω 2% 0,25W
3471	4822 051 10103	10k 2% 0,25W
3472	4822 051 10224	220k 2% 0,25W
3473	4822 051 10008	0Ω 5% 0,25W
3473	4822 051 10102	1k 2% 0,25W

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Jumpers

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PIP panel J

3600	4822 051 10103	10k 2% 0,25W
3601	4822 051 10103	10k 2% 0,25W
3602	4822 051 10101	100Ω 2% 0,25W
3603	4822 051 10101	100Ω 2% 0,25W
3604	4822 052 10158	1Ω5 5% 0,33W
3605	4822 051 10223	22k 2% 0,25W
3610	4822 100 11319	4k7 30% LIN
3611	4822 051 10332	3k3 2% 0,25W
3612	4822 051 10272	2k7 2% 0,25W
3613	4822 051 10103	10k 2% 0,25W
3614	4822 051 10123	12k 2% 0,25W
3615	4822 051 10822	8k2 2% 0,25W
3616	4822 116 52229	750Ω 5% 0,5W
3617	4822 051 10751	750Ω 2% 0,25W
3618	4822 052 10568	5Ω6 5% 0,33W
3619	4822 051 10471	470Ω 2% 0,25W
3620	4822 051 20222	2k2 5% 0,1W
3621	4822 051 10105	1M 5% 0,25W
3622	4822 051 10272	2k7 2% 0,25W
3624	4822 051 10272	2k7 2% 0,25W
3625	4822 051 10511	510Ω 2% 0,25W
3630	4822 051 10101	100Ω 2% 0,25W
3631	4822 051 10101	100Ω 2% 0,25W
3632	4822 051 10102	1k 2% 0,25W
3633	4822 051 10104	100k 2% 0,25W
3634	4822 051 10104	100k 2% 0,25W
3635	4822 051 10562	5k6 2% 0,25W
3636	4822 051 10911	910Ω 2% 0,25W
3637	4822 051 20183	18k 5% 0,1W
3638	4822 051 10362	3k6 2% 0,25W
3997	4822 051 10479	47Ω 2% 0,25W

Jumpers

4001	4822 051 10008	0Ω 5% 0,25W
4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4007	4822 051 10008	0Ω 5% 0,25W
4009	4822 051 10008	0Ω 5% 0,25W
4011	4822 051 10008	0Ω 5% 0,25W
4012	4822 051 10008	0Ω 5% 0,25W
4013	4822 051 10008	0Ω 5% 0,25W
4014	4822 051 10008	0Ω 5% 0,25W
4015	4822 051 10008	0Ω 5% 0,25W
4016	4822 051 10008	0Ω 5% 0,25W
4017	4822 051 10008	0Ω 5% 0,25W
4018	4822 051 10008	0Ω 5% 0,25W
4019	4822 051 10008	0Ω 5% 0,25W
4020	4822 051 10008	0Ω 5% 0,25W
4021	4822 051 10008	0Ω 5% 0,25W
4022	4822 051 10008	0Ω 5% 0,25W
4024	4822 051 10008	0Ω 5% 0,25W
4025	4822 051 10008	0Ω 5% 0,25W
4026	4822 051 10008	0Ω 5% 0,25W
4027	4822 051 10008	0Ω 5% 0,25W
4028	4822 051 10008	0Ω 5% 0,25W
4029	4822 051 10008	0Ω 5% 0,25W
4046	4822 051 10008	0Ω 5% 0,25W
4048	4822 051 10008	0Ω 5% 0,25W
4049	4822 051 10008	0Ω 5% 0,25W
4403	4822 051 10008	0Ω 5% 0,25W
4404	4822 051 10008	0Ω 5% 0,25W
4410	4822 051 10008	0Ω 5% 0,25W
4415	4822 051 10008	0Ω 5% 0,25W
4417	4822 051 10008	0Ω 5% 0,25W
4418	4822 051 10008	0Ω 5% 0,25W
4419	4822 051 10008	0Ω 5% 0,25W

Jumpers

4420	4822 051 10008	0Ω 5% 0,25W
4421	4822 051 10008	0Ω 5% 0,25W
4631	4822 051 10008	0Ω 5% 0,25W
4632	4822 051 10008	0Ω 5% 0,25W
4633	4822 051 10008	0Ω 5% 0,25W
4634	4822 051 10008	0Ω 5% 0,25W

5118	4822 157 60435	10,3μH 6%
5155	4822 157 60433	7,2μH 6%
5157	4822 157 60434	9,4μH 6%
5170	4822 157 60432	10,3μH
5175	4822 157 60432	10,3μH
5190	4822 157 60432	10,3μH
5400	4822 157 50943	12μH 10%
5402	4822 157 50943	12μH 10%
5403	4822 157 52333	100μH
5406	4822 157 50943	12μH 10%
5408	4822 157 50943	12μH 10%
5410	4822 157 50943	12μH 10%

6300	4822 130 80906	LLZ-C7V5
6301	4822 130 80446	LL4148

7103	5322 130 41982	BC848B
7105	5322 130 41982	BC848B
7125	4822 209 63927	TDA4554/V1
7126	4822 209 30389	TDA4510/V8
7200	5322 130 41982	BC848B
7210	5322 130 41982	BC848B
7233	5322 130 41982	BC848B
7234	5322 130 41982	BC848B
7235	5322 130 41982	BC848B
7330	5322 130 41982	BC848B
7335	5322 130 41982	BC848B
7337	5322 130 41982	BC848B
7338	5322 130 41982	BC848B
7350	4822 130 42616	BC818-40
7381	5322 130 42012	BC858
7385	5322 130 42012	BC858
7387	5322 130 42012	BC858
7400	5322 130 41983	BC858B
7402	5322 130 41983	BC858B
7404	5322 130 41983	BC858B
7406	4822 209 62473	SDA9087
7408	4822 209 63291	SDA9088/2R
7410	4822 209 63644	SDA9086-3
7610	4822 209 30393	TDA8349A/N2
7630	4822 209 30395	SAA1300AQ/N6
7755	4822 209 72363	TDA2579A/N8

Spare parts list / Stückliste / Liste

Picture tube panel E

Connectors

	4822 265 20509	2P male grey
	4822 265 40596	2P male
	4822 267 40985	6P male black
	4822 290 40295	7P male grey

Various parts

	4822 492 70788	spring fix IC
	4822 255 70261	picture tube socket
1030	4822 212 23711	PTP 25"-28"
1030	4822 212 23953	PIP 33"

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2700	4822 122 33496	100nF 10% 63V
2701	4822 122 32507	6,8pF 5% 50V
2703	4822 122 33125	180pF 10% 63V
2704	4822 124 42182	3,3µF 20% 250V
2705	4822 124 40272	33µF 20% 16V
2706	4822 122 31797	22nF 10% 63V
2707	4822 121 51562	33nF 10% 1600V
2708	5322 122 31842	330pF 5% 63V
2709	4822 122 31825	27pF 10% 50V
2710	4822 122 31774	56pF 5% 50V
2711	4822 122 32507	6,8pF 5% 50V
2712	4822 126 11175	22pF 5% 50V
2713	4822 121 41156	68nF 10% 250V
2715	4822 121 41156	68nF 10% 250V
2716	4822 122 31797	22nF 10% 63V
2717	4822 121 41156	68nF 10% 250V
2720	4822 122 31774	56pF 5% 50V
2721	4822 122 32507	6,8pF 5% 50V
2726	4822 122 31797	22nF 10% 63V
2730	4822 122 31774	56pF 5% 50V
2731	5322 122 31647	1nF 10% 63V
2741	5322 122 31647	1nF 10% 63V
2751	5322 122 31647	1nF 10% 63V
2760	4822 122 31174	2,7nF 10% 500V

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3537	4822 052 11128	1Ω2 5% 0,5W
3700	4822 051 10182	1k8 2% 0,25W
3701	4822 051 10101	100Ω 2% 0,25W
3702	4822 051 10102	1k 2% 0,25W
3704	4822 051 10272	2k7 2% 0,25W
3705	4822 051 10332	3k3 2% 0,25W
3706	4822 050 21504	150k 1% 0,6W
3708	4822 111 50518	1k5 5% 0,5W
3710	4822 051 10008	0Ω 5% 0,25W
3711	4822 051 10101	100Ω 2% 0,25W
3712	4822 051 10272	2k7 2% 0,25W
3714	4822 051 10272	2k7 2% 0,25W
3715	4822 051 10332	3k3 2% 0,25W
3716	4822 050 21504	150k 1% 0,6W
3718	4822 111 50518	1k5 5% 0,5W
3719	4822 051 10008	0Ω 5% 0,25W
3720	4822 051 10823	82k 2% 0,25W
3721	4822 051 10101	100Ω 2% 0,25W
3724	4822 051 10272	2k7 2% 0,25W
3725	4822 051 10332	3k3 2% 0,25W
3726	4822 050 21204	120k 1% 0,6W
3727	4822 111 50518	1k5 5% 0,5W
3728	4822 111 50518	1k5 5% 0,5W
3730	4822 111 50518	1k5 5% 0,5W
3731	4822 052 10279	27Ω 5% 0,33W

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3733	4822 052 10189	18Ω 5% 0,33W
3734	4822 051 10114	110k 2% 0,25W
3735	4822 051 10103	10k 2% 0,25W
3736	4822 051 10333	33k 2% 0,25W
3737	4822 051 10203	20k 2% 0,25W
3738	4822 116 52304	82k 5% 0,5W
3739	4822 116 52188	27Ω 5% 0,5W
3739	4822 116 52193	39Ω 5% 0,5W
3740	4822 051 10114	110k 2% 0,25W
3741	4822 051 10124	120k 2% 0,25W
3742	4822 051 10333	33k 2% 0,25W
3743	4822 051 10333	33k 2% 0,25W
3761	4822 051 10152	1k5 2% 0,25W
3761	4822 051 10332	3k3 2% 0,25W

Jumpers

4701	4822 051 10008	0Ω 5% 0,25W
4702	4822 051 10008	0Ω 5% 0,25W
4703	4822 051 10008	0Ω 5% 0,25W
4709	4822 051 10008	0Ω 5% 0,25W
4714	4822 051 10008	0Ω 5% 0,25W
4743	4822 051 10008	0Ω 5% 0,25W

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5700	4822 157 60155	33µH 7,5%
5701	4822 157 60155	33µH 7,5%

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6700	4822 130 80879	LLZ-C3V0
6701	4822 130 80877	BAV103
6702	4822 130 80877	BAV103
6703	4822 130 80877	BAV103
6704	4822 130 80877	BAV103
6705	4822 130 80877	BAV103
6706	4822 130 80877	BAV103
6707	4822 130 82345	LLZ-C22
6708	4822 130 30842	BAV21
6709	4822 130 30842	BAV21
6711	4822 130 30842	BAV21
6712	4822 130 80877	BAV103
6713	4822 130 80877	BAV103
6714	4822 130 32896	BYD33M
6715	4822 130 82969	BZD23-C24

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7704	4822 130 60373	BC856B
7705	4822 209 63898	TDA6111Q/N1
7705	4822 209 30417	TDA6111Q/N2
7706	4822 209 63898	TDA6111Q/N1
7706	4822 209 30417	TDA6111Q/N2
7707	4822 209 63898	TDA6111Q/N1
7707	4822 209 30417	TDA6111Q/N2
7708	4822 130 41646	BF423
7709	4822 130 41646	BF423
7710	4822 130 41646	BF423

NICAM sound module K

Connectors

	4822 265 41087	9P male

Various parts

1001	4822 242 81128	cryst. 17.470MHz
1002	4822 242 72301	filter TH316BOM - 20800DAF
1002	4822 242 72303	filter TH316BQM
1003	4822 242 81126	cryst. 11.170MHz
1003	4822 242 81127	cryst. 13.100MHz
1106	4822 242 72303	filter TH316BQM
1600	4822 212 23907	NICAM PAL BG
1600	4822 212 23908	NICAM PAL I

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2000	4822 122 31947	100nF 20% 63V
2001	4822 124 40433	47µF 20% 25V
2002	4822 122 31797	22nF 10% 63V
2003	4822 122 31797	22nF 10% 63V
2004	4822 122 31768	180pF 5% 50V
2005	4822 122 31768	180pF 5% 50V
2006	5322 122 31842	330pF 5% 63V
2007	4822 122 32597	6,8nF 10% 63V
2008	4822 122 31808	150pF 10% 50V
2009	4822 122 32442	10nF 50V
2010	4822 122 31808	150pF 10% 50V
2011	4822 122 31766	120pF 5% 50V
2012	4822 121 41854	150nF 5% 63V
2013	4822 122 31746	1000pF 5% 50V
2014	4822 122 32442	10nF 50V
2015	4822 125 50045	20pF trim.
2016	4822 122 31961	68pF 5% 63V
2017	4822 121 42408	220nF 5% 63V
2018	4822 122 32442	10nF 50V
2019	4822 122 31797	22nF 10% 63V
2020	4822 124 40433	47µF 20% 25V
2021	4822 122 31782	15nF 10% 50V
2021	4822 122 32856	8,2nF 10% 63V
2022	4822.122 31981	33nF ±0,5pF 50V
2022	4822 122 31759	18nF
2023	4822 122 31981	33nF ±0,5pF 50V
2023	4822 122 31759	18nF
2024	4822 122 31782	15nF 10% 50V
2024	4822 122 32856	8,2nF 10% 63V
2025	4822 122 31797	22nF 10% 63V
2026	4822 124 40433	47µF 20% 25V
2027	4822 122 31773	560pF 5% 50V
2028	4822 126 10171	2,7nF 5% 50V
2029	4822 122 32999	2,2nF 5% 50V
2030	4822 122 32999	2,2nF 5% 50V
2031	4822 126 10171	2,7nF 5% 50V
2032	4822 122 31773	560pF 5% 50V
2033	4822 126 11492	220nF 10% 63V
2034	4822 126 11492	220nF 10% 63V
2035	4822 122 31746	1000pF 5% 50V
2036	4822 122 32442	10nF 50V
2037	4822 122 32442	10nF 50V
2038	4822 122 31797	22nF 10% 63V
2039	4822 126 11691	150nF 10% 63V
2040	4822 122 33669	150nF 20% 50V
2041	5322 122 31647	1nF 10% 63V
2042	4822 126 10183	330pF 10% 63V
2043	5322 122 31647	1nF 10% 63V
2044	5322 122 31647	1nF 10% 63V
2050	4822 124 40433	47µF 20% 25V

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2051	5322 122 31647	1nF 10% 63V
2245	5322 122 31647	1nF 10% 63V
2246	5322 122 31647	1nF 10% 63V

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3000	4822 051 10471	470Ω 2% 0,25W
3002	4822 051 10332	3k3 2% 0,25W
3003	4822 051 10332	3k3 2% 0,25W
3004	4822 051 10104	100k 2% 0,25W
3005	4822 051 10823	82k 2% 0,25W
3007	4822 051 10223	22k 2% 0,25W
3008	4822 051 10223	22k 2% 0,25W
3009	4822 051 10392	3k9 2% 0,25W
3010	4822 051 10104	100k 2% 0,25W
3011	4822 051 10104	100k 2% 0,25W
3012	4822 053 20106	10M 5% 0,25W
3013	4822 051 10824	820k 2% 0,25W
3014	4822 051 10103	10k 2% 0,25W
3015	4822 051 10682	6k8 2% 0,25W
3015	4822 051 10123	12k 2% 0,25W
3016	4822 051 10122	1k2 2% 0,25W
3016	4822 051 20222	2k2 5% 0,1W
3017	4822 051 10122	1k2 2% 0,25W
3017	4822 051 20222	2k2 5% 0,1W
3018	4822 051 10682	6k8 2% 0,25W
3018	4822 051 10123	12k 2% 0,25W
3019	4822 051 10752	7k5 2% 0,25W
3019	4822 051 10562	5k6 2% 0,25W
3020	4822 051 10472	4k7 2% 0,25W
3021	4822 051 10472	4k7 2% 0,25W
3022	4822 051 10472	4k7 2% 0,25W
3023	4822 051 10472	4k7 2% 0,25W
3024	4822 051 10184	180k 2% 0,25W
3025	4822 051 10184	180k 2% 0,25W
3026	4822 051 10101	100Ω 2% 0,25W
3027	4822 051 10101	100Ω 2% 0,25W
3028	4822 051 10103	10k 2% 0,25W
3029	4822 052 10109	10Ω 5% 0,33W
3030	4822 051 10102	1k 2% 0,25W
3031	4822 051 10102	1k 2% 0,25W
3032	4822 051 10569	56Ω 2% 0,25W
3033	4822 051 20222	2k2 5% 0,1W
3034	4822 051 10431	430Ω 2% 0,25W
3035	4822 051 10241	240Ω 2% 0,25W
3036	4822 051 10102	1k 2% 0,25W
3037	4822 051 10159	15Ω 2% 0,25W
3049	4822 051 10223	22k 2% 0,25W
3050	4822 051 10103	10k 2% 0,25W
3099	4822 051 10101	100Ω 2% 0,25W
3099	4822 116 90536	120Ω 1% 0,125W

Jumpers

4002	4822 051 10008	0Ω 5% 0,25W
4003	4822 051 10008	0Ω 5% 0,25W
4005	4822 051 10008	0Ω 5% 0,25W
4052	4822 051 10008	0Ω 5% 0,25W
4053	4822 051 10008	0Ω 5% 0,25W
4054	4822 051 10008	0Ω 5% 0,25W
4055	4822 051 10008	0Ω 5% 0,25W
4100	4822 051 10008	0Ω 5% 0,25W

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5000	4822 157 50975	1mH 10%
5001	4822 157 50975	1mH 10%
5002	4822 157 51235	4,7µH 10%
5003	4822 157 51235	4,7µH 10%

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6000	4822 130 30621	1N4148
6005	4822 209 30911	OF4076
6006	5322 130 31684	BB809
6050	4822 130 80446	LL4148

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7000	4822 209 30909	TDA8732/C1
7001	4822 209 30914	SAA7280/M3
7002	4822 209 83163	LM833N
7003	4822 209 83163	LM833N
7004	5322 209 10576	4053B
7007	4822 209 73236	TDA1543/N2
7008	5322 130 42755	BC847C
7009	4822 130 60887	BF840
7050	5322 130 42136	BC848C

Spare parts list / Stückliste / Liste

Y/C detector I

Connectors

	4822 265 40503	5P female gold
	4822 265 30431	3P female gold

Various parts

1231	4822 242 80364	filter 4,43MHz

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2225	4822 124 40196	220µF 20% 16V
2226	4822 122 32927	220nF
2228	4822 122 32927	220nF
2235	4822 122 31965	220pF 5% 63V
2236	4822 122 31772	47pF 5% 50V
2237	4822 122 32142	270pF 5% 63V
2238	4822 122 31768	180pF 5% 50V
2239	4822 122 31947	100nF 20% 63V
2244	4822 124 20722	1µF 10% 63V
2246	4822 122 31947	100nF 20% 63V
2247	4822 122 31766	120pF 5% 50V
2261	4822 124 20678	47µF 10% 10V
2262	4822 122 31808	150pF 10% 50V
2269	4822 124 20726	4,7µF 10% 63V

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3200	4822 050 11002	1k 1% 0,4W
3201	4822 116 83006	2M7 5% 0,5W
3203	4822 051 10563	56k 2% 0,25W
3204	4822 051 10103	10k 2% 0,25W
3212	4822 051 10751	750Ω 2% 0,25W
3213	4822 051 10008	0Ω 5% 0,25W
3213	4822 051 10153	15k 2% 0,25W
3214	4822 051 10153	15k 2% 0,25W
3221	4822 051 10472	4k7 2% 0,25W
3223	4822 116 52203	91Ω 5% 0,5W
3225	4822 116 52219	330Ω 5% 0,5W
3226	4822 116 52243	1k5 5% 0,5W
3227	4822 051 10112	1k1 2% 0,25W
3228	4822 051 10474	470k 2% 0,25W
3229	4822 051 10331	330Ω 2% 0,25W
3230	4822 051 10102	1k 2% 0,25W
3231	4822 051 10681	680Ω 2% 0,25W
3236	4822 051 10331	330Ω 2% 0,25W
3250	4822 051 10151	150Ω 2% 0,25W
3258	4822 051 10102	1k 2% 0,25W
3272	4822 051 10471	470Ω 2% 0,25W
3278	4822 051 10472	4k7 2% 0,25W
3280	4822 051 10102	1k 2% 0,25W
3282	4822 051 10103	10k 2% 0,25W
3283	4822 051 10472	4k7 2% 0,25W
3284	4822 051 10102	1k 2% 0,25W
3289	4822 051 10102	1k 2% 0,25W
3302	4822 051 10102	1k 2% 0,25W
3307	4822 051 10474	470k 2% 0,25W
3308	4822 051 10471	470Ω 2% 0,25W
3309	4822 051 10008	0Ω 5% 0,25W
3319	4822 051 10102	1k 2% 0,25W

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5200	4822 157 62824	7,5µH
5201	4822 157 62824	7,5µH
5202	4822 157 60122	4,7µH 10%

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6258	4822 130 80905	LLZ-F5V1

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7226	5322 130 41983	BC858B
7228	5322 130 41982	BC848B
7262	5322 130 41983	BC858B
7263	5322 130 41982	BC848B
7264	4822 130 42353	BFS19
7266	5322 130 42136	BC848C
7267	4822 130 42513	BC858C
7274	5322 130 42136	BC848C
7275	4822 130 42513	BC858C
7276	5322 130 41983	BC858B
7277	5322 130 41982	BC848B
7278	5322 130 41982	BC848B